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Relative

XLIX 33

RECUEIL
DE PLANCHES
DE L'ENCYCLOPÉDIE
PAR ORDRE DE MATIÈRES.
TOME CINQUIÈME.



A PARIS,

Chez PANCKOUCKE, Libraire, hôtel de Thou, rue des Poitevins.

A LIÈGE,

Chez PLOMTEUX, Imprimeur des États.

M. DCC. LXXXVII

AVEC APPROBATION, ET PRIVILÈGE DU ROI.

ORDRE DES PLANCHES

SIMPLES, DOUBLES, TRIPLES ET QUADRUPLES

*QUI composent la sixième livraison des Planches de la nouvelle
Édition in-4°. de l'Encyclopédie par ordre de matières.*

T

TOURNEUR ET TOURS DE TOUTE ESPÈCE, deuxième Partie, ou suite des premières Planches de cet art, qui terminent le Tome IV des Figures de cette Edition, dix-huit Planches simples & une double, in-4°.

V

VANNIER, deux Pl. simples.

VERMICELLIER, deux Pl. simples.

VERRERIE EN BOIS, OU PETITE VERRERIE A PIVETTE.

Première Section. PETITS OUVRAGES EN VERRERIE, COMME VERRES A BOIRE ET AUTRES USTENSILES, quinze Pl. simples & sept doubles.

VERRERIE EN BOIS, OU GRANDE VERRERIE A VITRES, OU EN PLATS, DITE A PIVETTE.

Deuxième Section. Quatorze Pl. simples & cinq doubles.

VERRERIE EN BOUTEILLES CHAUFFÉE EN CHARBON DE TERRE.

Troisième Section. VERRERIE FRANÇOISE, sept Pl. simples & trois doubles.

VERRERIE ANGLOISE, deux Pl. simples.

VERRERIE EN GLACES, voyez les Pl. de Manufacture de Glaces, Tome deuxième de cette Edition.

VINAIGRIER-MOUTARDIER, deux Pl. simples.

VITRIER-APPRÊTEUR, PEINTRE SUR VERRE, huit Pl. simples.

VOUTES ET PLANCHERS EN FER, ET PONT DE FER D'UNE ARCHE DE QUATRE CENS PIEDS D'OUVERTURE, une Pl. double in-4°.

MARINE, quatre-vingt-six Planches simples, soixante-seize doubles, treize triples, & une quadruple in-4°.

Nota. Il y a dans ces Planches deux numéros bis, le premier est après la Planche cotée 116, & le second est après la Planche cotée 156; tous les deux sont deux Planches doubles in-4°.

On observe aussi que la première partie de toutes les Planches de Marine est cotée en

chiffres arabes , depuis Planche 1 , à Planche 156 , numéro 1 compris ; & que la deuxième est cotée en chiffres romains , depuis numéro I , à numéro XVI compris.

Ce volume contient 160 Planches simples *in-4°* , 91 doubles , 13 triples & une quadruple , avec une Planche du grand Vaisseau de 84 canons , cotée Planche 115 , lesquelles Planches en totalité , équivalent à 385.

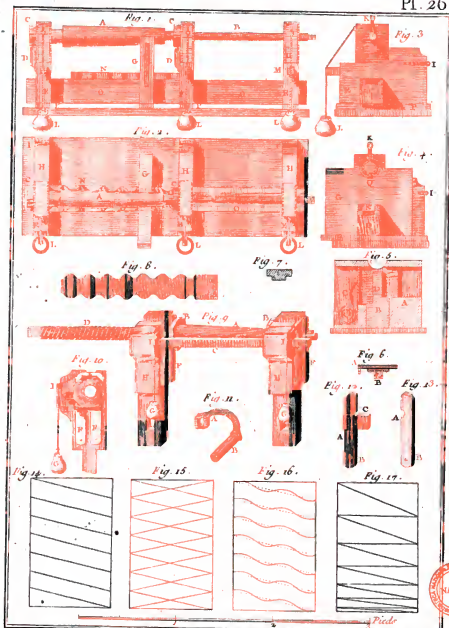
Nous prions MM. les Souscripteurs d'avoir la bonté de reconrir aux Avertissemens qui sont à la tête des quatre premiers Volumes de Planches , & d'observer que la partie des Arts mécaniques qui commence ce Tome V , a été réduite , ainsi que tous les Arts précédens , au plus petit nombre de figures possible , sans néanmoins supprimer aucune Vignette , puisque dans cette dernière Partie on y en trouve plus de soixante , contenues dans les 101 Planches *in-4°* , qui terminent ces Arts mécaniques.

Ces dernières Planches terminées avec soin , il a fallu s'occuper de la gravure des Figures des Sciences & d'Arts libéraux qui restent à livrer aux Souscripteurs. Le texte du Dictionnaire de Marine étant très-avancé , on a préféré d'en graver les Planches pour compléter ce texte.

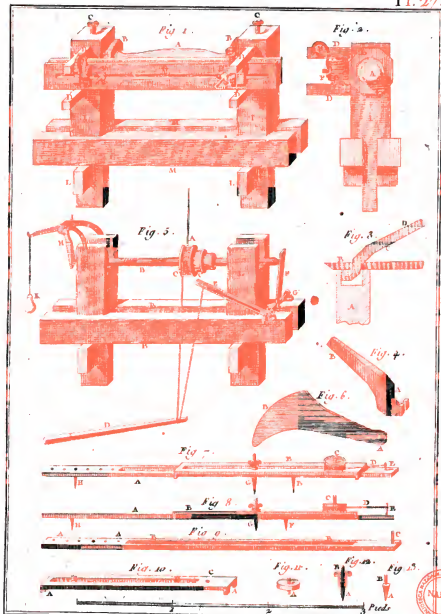
On espère que cette collection complète de Figures de Marine sera d'autant plus intéressante pour tout ordre de Lecteurs , que l'auteur l'a composée de toutes Planches nouvelles , n'ayant employé qu'un très-petit nombre de Figures des 51 Planches *in-fol.* de la première édition.

La réduction & l'exécution de toutes ces Planches ont été faites avec soin & justesse dans leurs dimensions très-difficiles , particulièrement le grand Vaisseau , Planches 115 ; ainsi que tous ceux qui ont été tirés d'après le grand Ouvrage de l'*Architettura Navalis Mercatoria* , &c. , composé par le célèbre Chapman , l'un des premiers Officiers de la Marine de Suède.

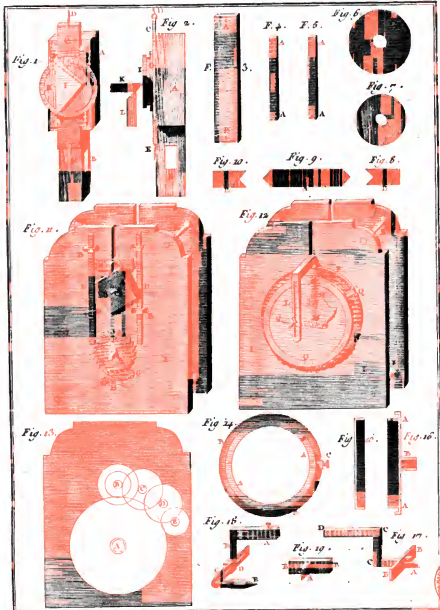
Le volume qui paroît actuellement est composé de 90 Planches *in-4°* , de plus que n'en contiennent chacun des quatre premiers volumes ; & le public aura à nous tenir compte de ces Planches excédentes.



Tourneur, Machine à Canneler et à Oner.

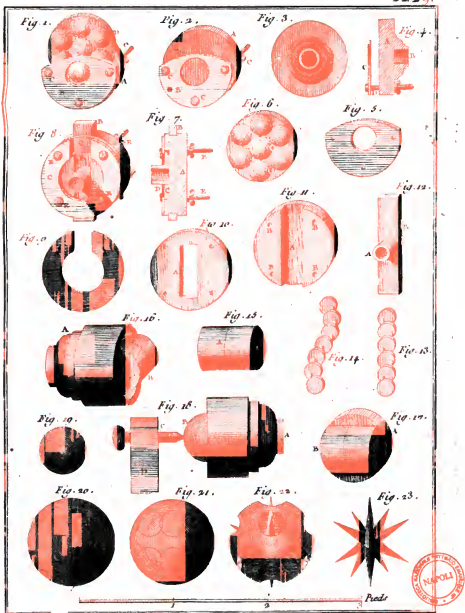


Tourneur, Tour à Godronner, à Vis, et Machine à Rosette.



Tourneur, Machines à Polygones simples et figures.

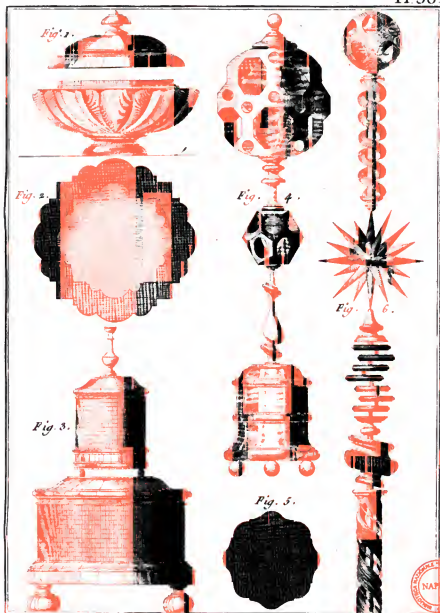




UTNEUR, Tours Excentriques et Sphériques.

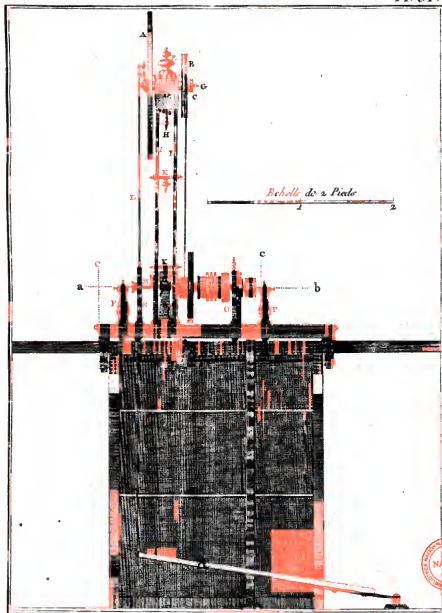
Donard & Co.





Tourneur, Divers Ouvrages réunis.

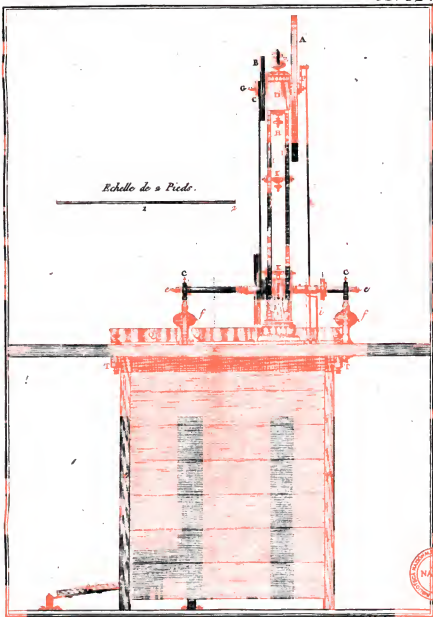
Bernard Orsini



Tourneur, Tour à Figure, Élévation en face.

Bernard d'Arce

Echelle de 2 Pieds.

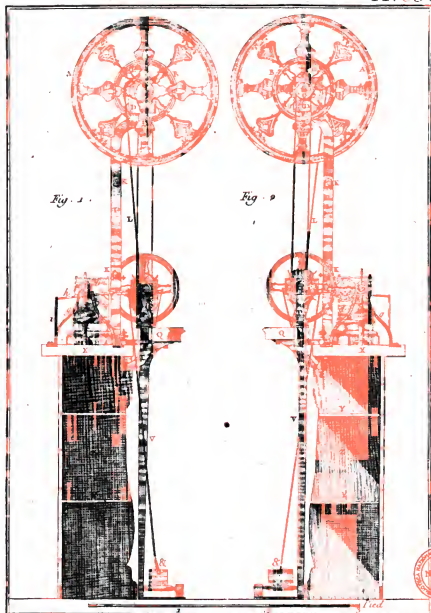


Tourneur, Tour à Figure, Elevation par derriere,

Donat. 1780

1-27

0



Tourneur, Tour à Figure, coupes vues des deux côtés.

Bonard Gress.



Fig. 1.

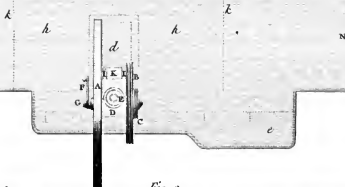


Fig. 2.

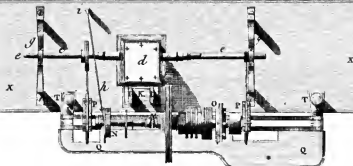
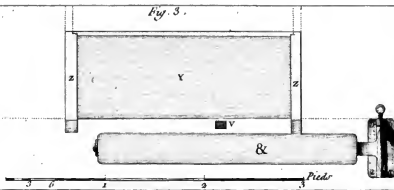


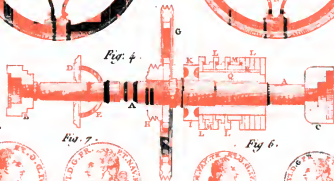
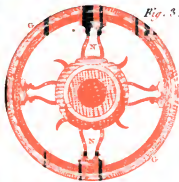
Fig. 3.



Tourneur, Tour à Figure, Plans.

Bouard direct.





Erstelle die Figuren 1, 2, 3, 4, 5, 10, 11 et 12.

Tourneur, Tour à Figure, Arbre et ses Détails.

Donat d'Arnaud.





Fig. 5.



Fig. 4.



Fig. 8.



Fig. 2.



Fig. 6.



Fig. 7.



Fig. 14.



Fig. 13.



Fig. 12.



Fig. 10.



Fig. 9.



Fig. 15.



Fig. 16.



Fig. 17.



Fig. 18.



Fig. 19.



Fig. 26.



Fig. 25.



Fig. 22.



Fig. 21.



Fig. 20.



Fig. 27.



Fig. 28.



Fig. 29.



Fig. 30.



Fig. 31.

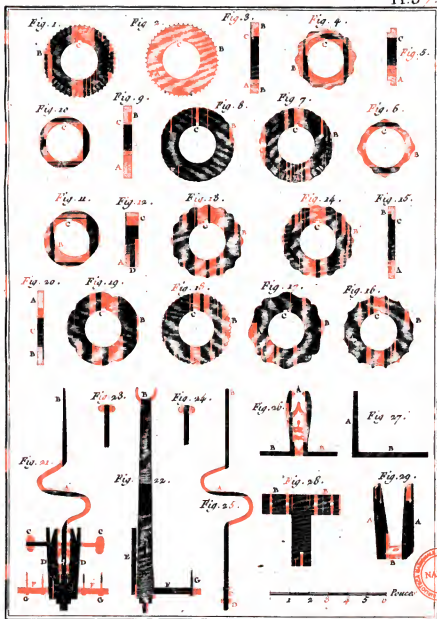


1 2 3 4 5 6 pouces 1 Pied



Tourneur, Tour à Figure, Arbre et ses Rosettes.

Bonard Gravé



Tourneur, Tour à Figure, Rosettes et Ressort.

Donné à la vente

1. 1. 1.



Fig. 5.

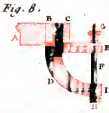
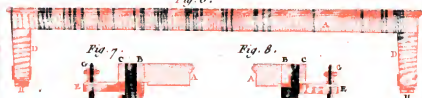


Fig. 9.

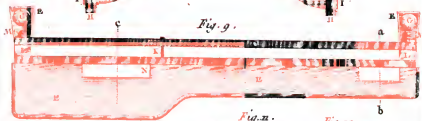


Fig. 14.



Fig. 18.



Fig. 20.



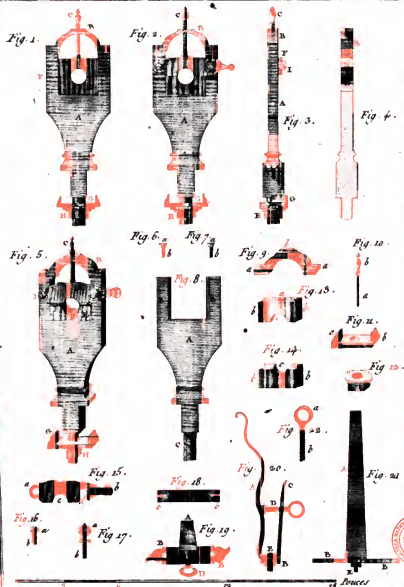
Fig. 22.



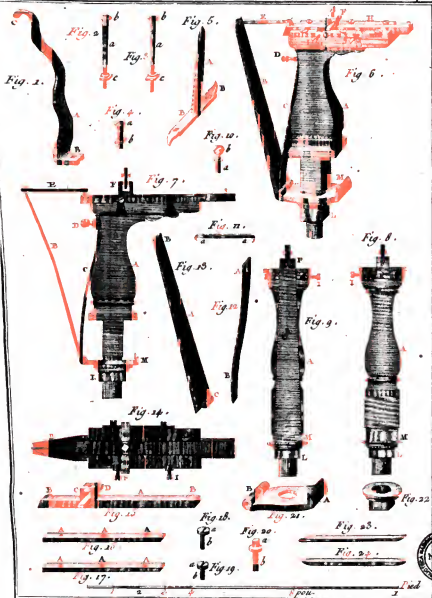
Échelle des 5 premières Figures.



Tourneur, Tour à Figure, Etablis et ses Détails.



Tourneur, Tour à Figure, Support à Bascule et ses Détails. 8



Tourneur, Tour à Figure, Support à Coulisse et ses Détails.



Fig. 1.

Fig. 3.

Fig. 2.

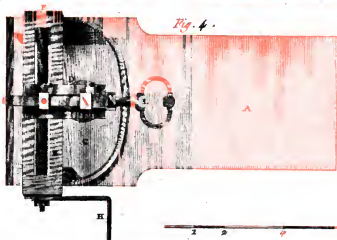
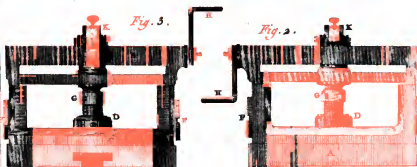
Fig. 4.

Fig. 5.

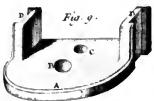
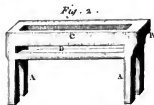
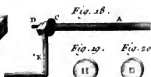
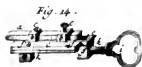
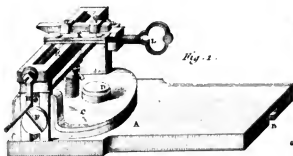
Pied

Tourneur, Tour à Figure, Arbre de renvoi.





Tourneur, Tour à Figure, Support à pivot portant outil à travailler.



Tourneur, Tour à Figure,

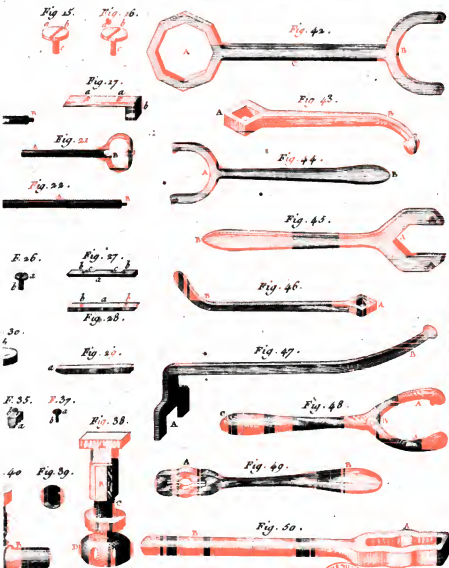




Fig. 1. N° 2.

Fig. 1.

Fig. 2.

Fig. 2 N° 2.

Fig. 4.

Fig. 3.

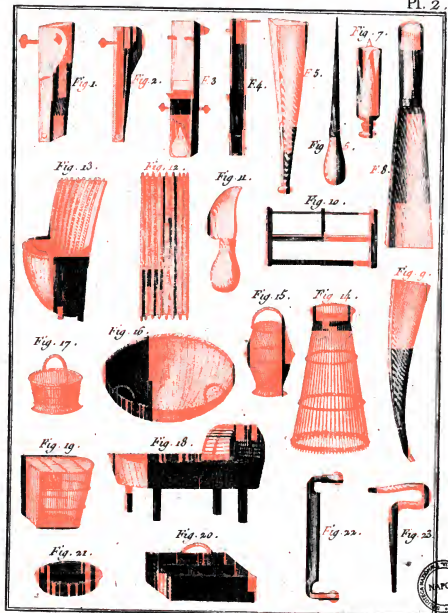
Fig. 5.

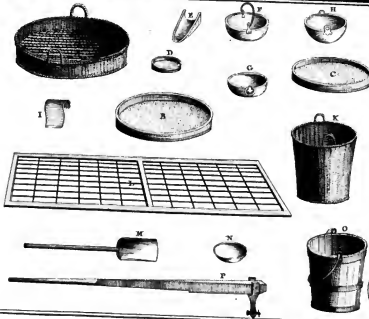
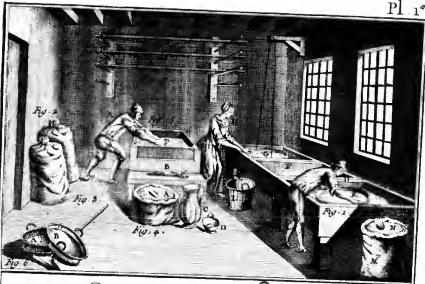
Fig. 6.

Vannier, Outils.



Bonard, invent.

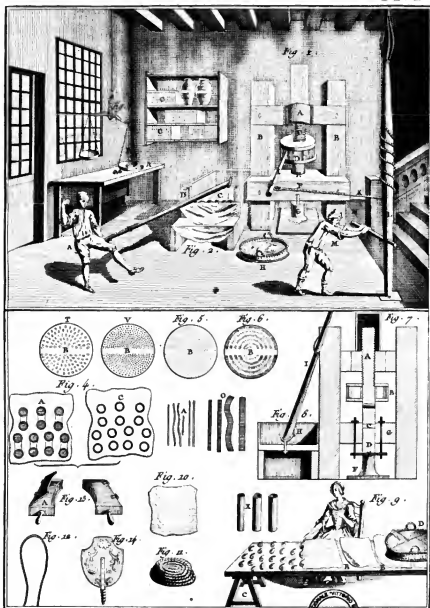




Vermicelliceria.

Bernard d'Arce





Vermicelier.



Bernard Orsini



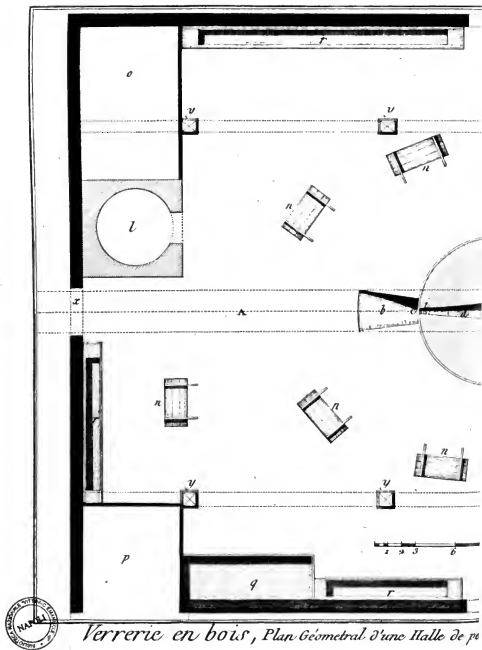
Verrerie en bois, Intérieur d'une Halle à



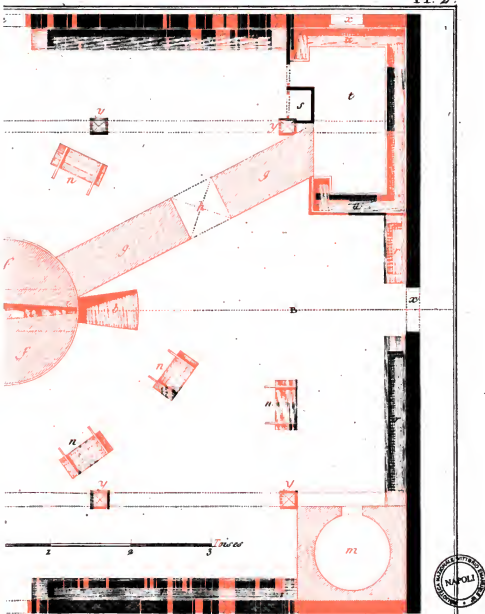
petite Verrerie à pissette, ou en bois. 1^{re} Section.



enroulé sur axe.

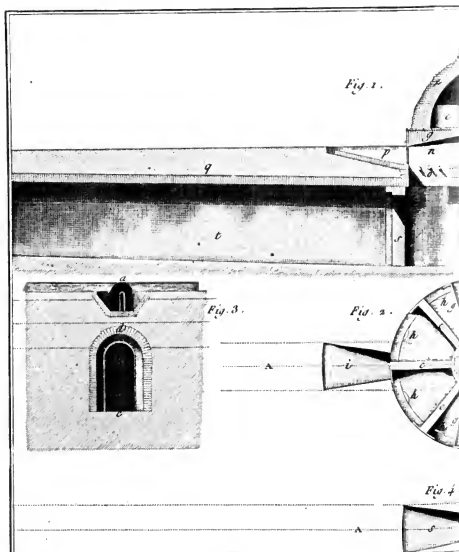


Verrerie en bois, Plan Géométral d'une Halle de verre



la Ferrerie à pive avec son Four au centre et ses dépendances.

Benard d'Arca



Verrerie en bois, Coupe et Plans d'une pe.



Site Verrerie à pivotte; et Coupe de la Cave à braise.

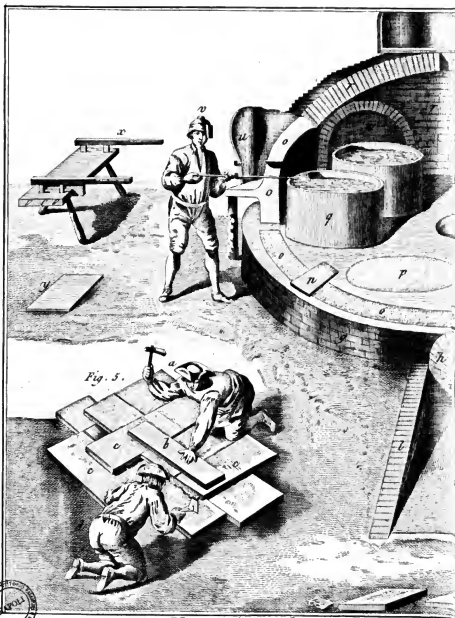


Fig. 5.

Verrerie en bois, Plan, Coupe, et Cons.



Fig. 1.



Fig. 2.

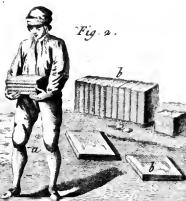


Fig. 3.

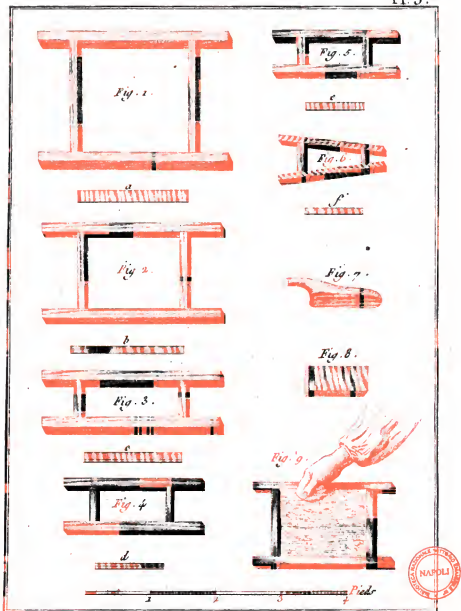


Fig. 4.

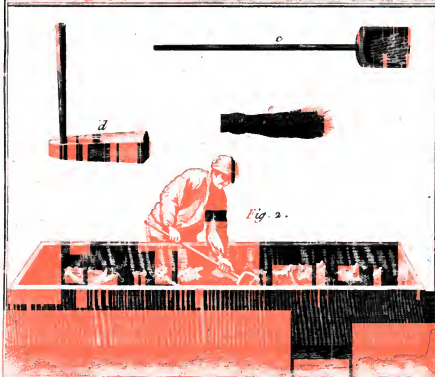


Instruction d'un Four de petite Verrerie à pivotte.

Benoit David

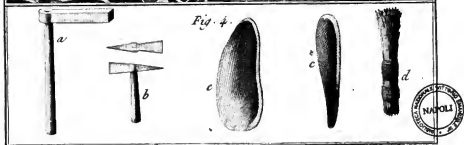
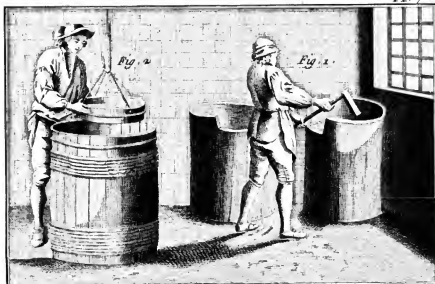


Verrerie en bois, Moudes et proportions des Briques pour la constructⁿ du Four.



Verrerie en bois, opération de Piler et d'Humecter la Terre Glaise





Verrerie, en bois, l'opération de briser les vieux pots, de les piler et tamiser pour les mêler avec la terre glaise, et Outils.



Fig. 1.

Fig. 2.



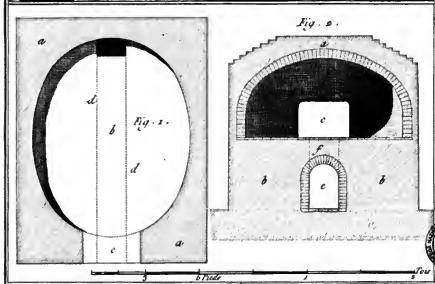
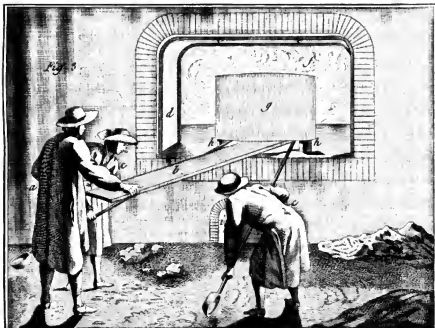
Fig. 3.



Verrerie en bois.

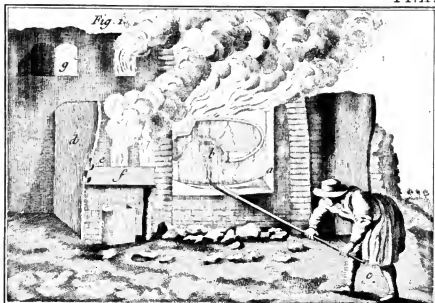
Benard & Co.

Différentes Opérations pour la formation d'un lot de petite Verrerie à Pivette.



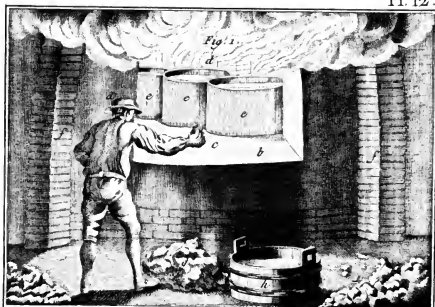
Verrerie en bois, l'opération de recevoir le Pot rouge sortant de la Calcaie.

De m. d. de m. d.



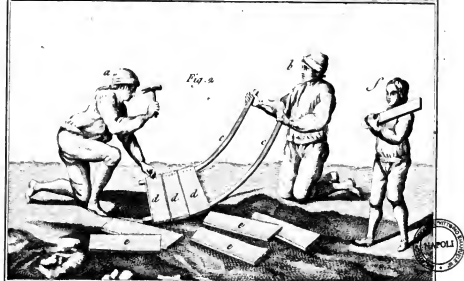
Verrerie en bois, opération de retirer le vieux pot cassé, et nettoyage du Banc

Arnold Deroix

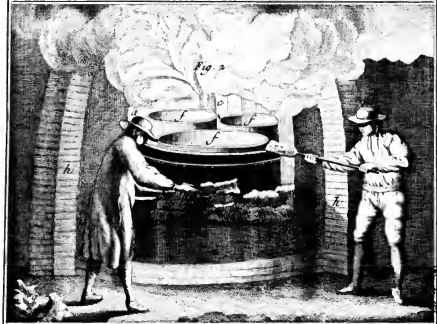
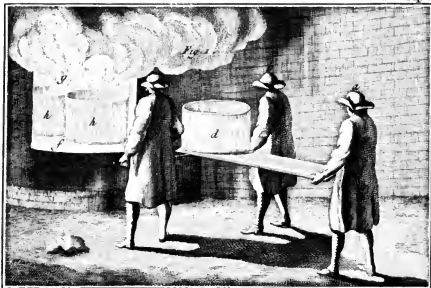


Verrerie en bois, l'opération de raccomoder le Banc et de relever les Pots.

Bonard delinced



Verrerie en bois, opérations pour raccomoder le banc du four et p^r le souler.



Verrerie en bois, Transport des Pots de la Calcaire au Four et fermés du Four.

Benard Durand

Pl. 15.

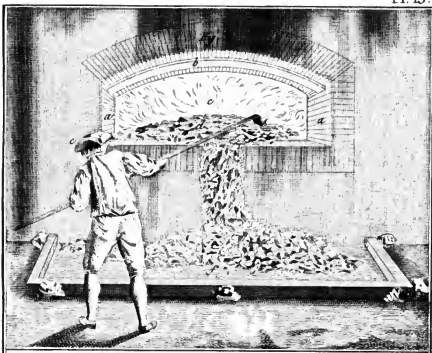


Fig. 2.

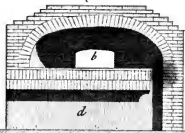
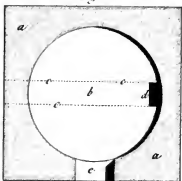


Fig. 1.



1 2 3 4 5 6 pieds

2 3 Toises



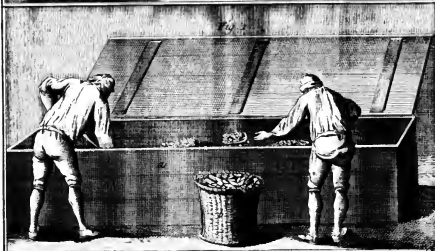
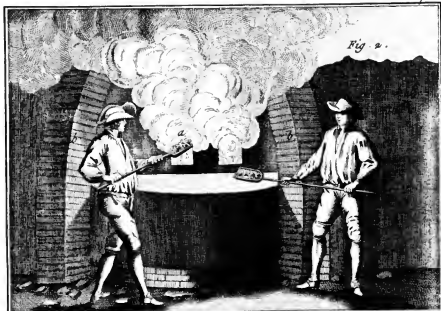
Verrerie en bois, Plan et coupe de la Calcaïsse, et l'opérat. de retirer la frate cuite.

Bonard Peccat. 92



Verrerie en bois, Ouvriers occupés à choisir le Groisil ou Ferre cassé à le laver et à le porter à la Caisse pour le mêler avec la Ertle.





Verrerie en bois, opération de mélanger le Croûlé et la Fritte pour les mettre au four.

Fig. 1^e a b



Fig. 3.

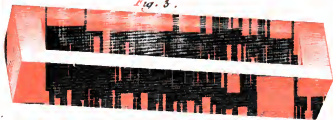


Fig. 2.



Fig. 4.



Fig. 5.



Fig. 6.

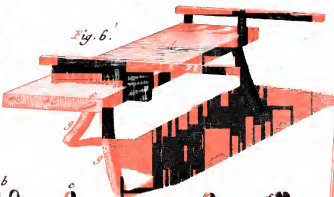
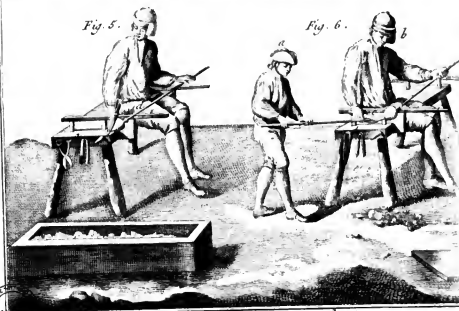
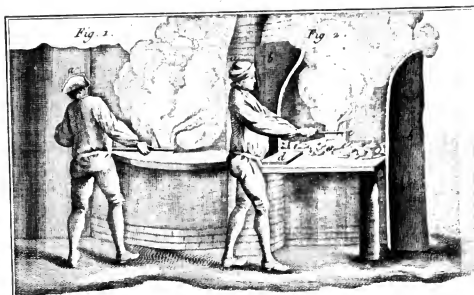


Fig. 7.



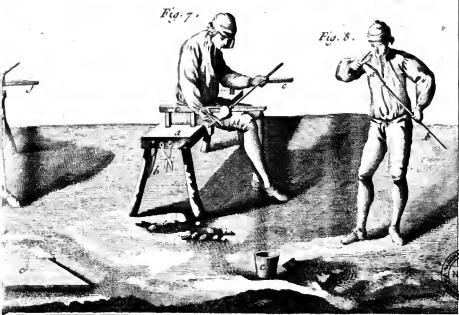
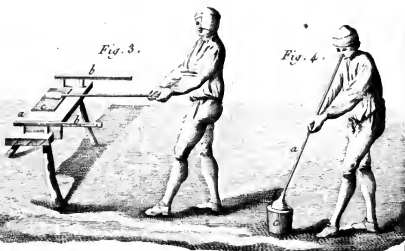
Verrerie en bois, Différens Outils pour le Travail du Ferre.

Donard verrier.



Verrierie en bois, différentes

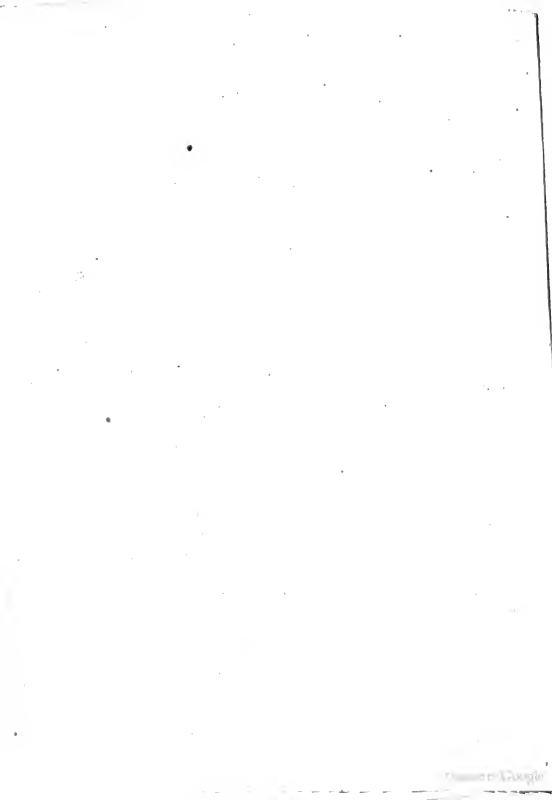


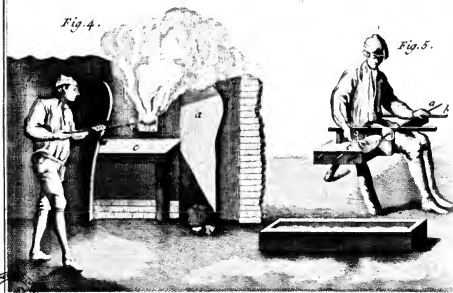


Opérations relatives à la façon d'un Verre.

Bonard delin.







Verrerie en bois, suite des des

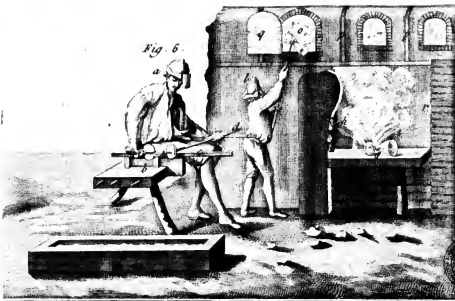
Fig. 2.



Fig. 3.



Fig. 6.





Ferrerie en bois, Différentes Opérations pour

Fig. 3.



Fig. 4.



Fig. 5.

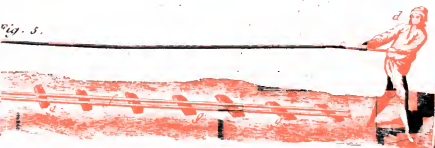


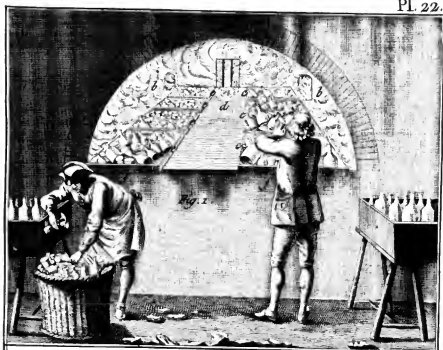
Fig. 6.



filer les Tubes des Baromètres, pour les couper &c. &c.

Donné à l'usage.





Verrerie en bois, opération de retirer les Peraces et les transporter au Magasin.

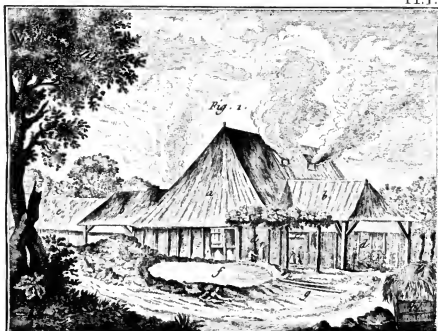


Fig. 2.

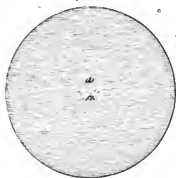


Fig. 3.



Echelle du Plat à verre
1 2 3 Pieds

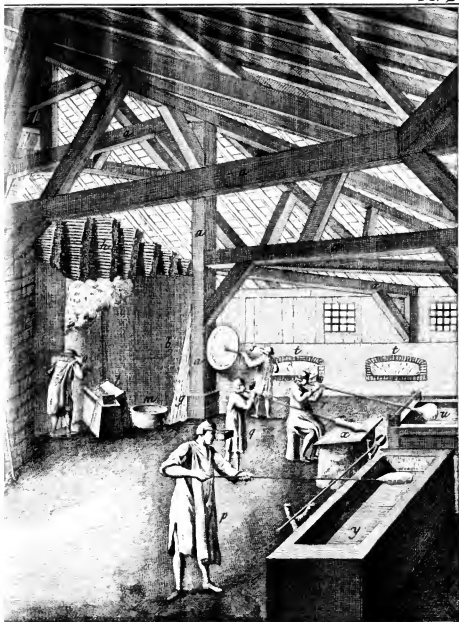


Verrerie en bois, ou grande Verrerie à Vitres, ditte à Pivette. 2^e Section.

Benoit David

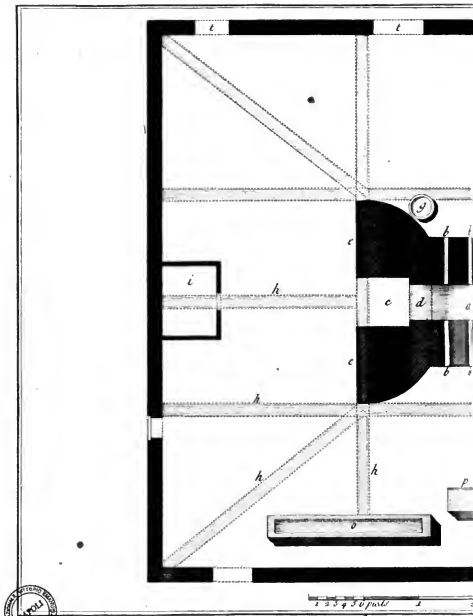


Verrerie en bois, Grande Verrerie en Plats. Intérieur

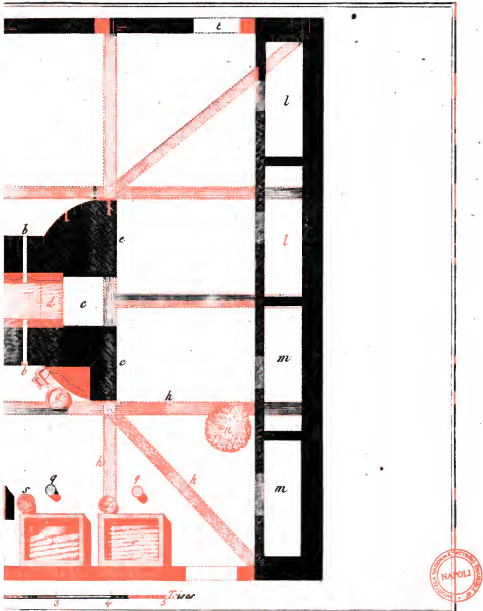


• D'une Halle et différentes Opérations de la Ferrerie à Vézès.

Bernard Duvet.



Verrerie en bois, Plan Général



ral d'une grande Verrerie en Plats.



Fig. 1.

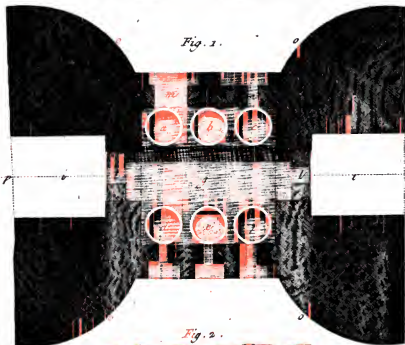
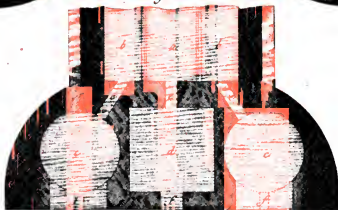


Fig. 2.



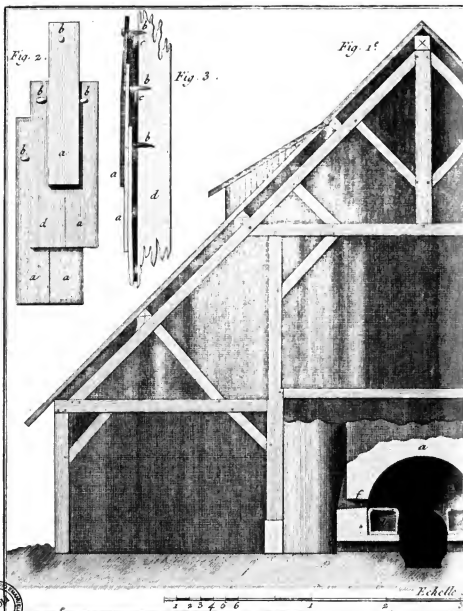
1 2 3 4 5 6 pieds 1 2 3 Toise



Verrerie en bois, Plans des différents étages du four d'une grande Verrerie en Plâtre.

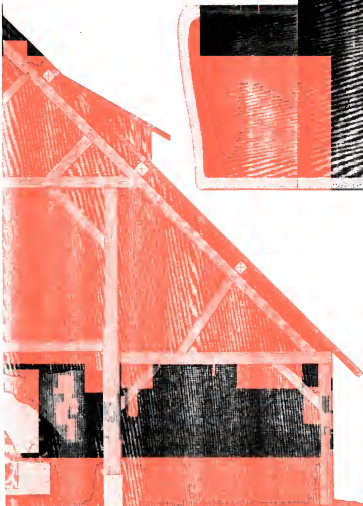
Bonard del. aut.





Verrerie en bois, coupe Générale d'une grande Terrerie en Plat, Plu

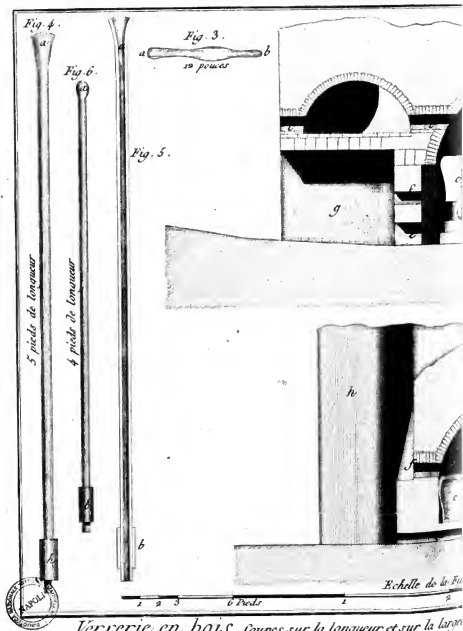
Fig. 4.



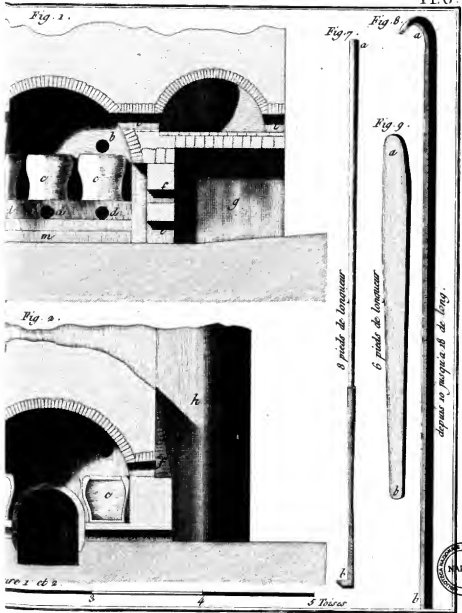
le la Montre 30 40 50 60 70 Tower



et Profil d'une partie de Couverture d'une Halle et Coupes d'un grand et petit Pot. Bernard d'Arx.



Verrerie en bois, coupes sur la longueur et sur la largeur



r d'un Four de grande Verrerie en Plats, et différens Outils.



Fig. 3.



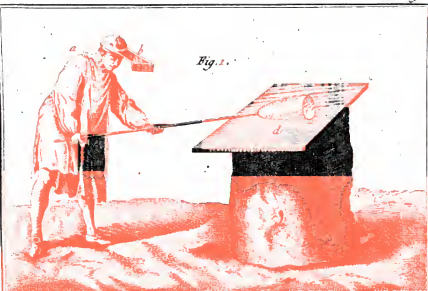
Fig. 4.



Verrerie en bous, Vue perspective de la Tonelle et de la Glaire, et Vue du Bequet pour l'incision de la Basse. Denard d'Arzet



Verrerie en bois, opération de faire le Ceallage avec la Felle et de l'allonger à l'étau.
 Bonar. J. Servati

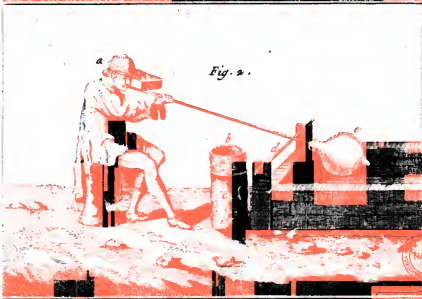


Verrerie en bois, l'opération de Rouler la 1.^e et la 2.^e chaude et de la souffler.

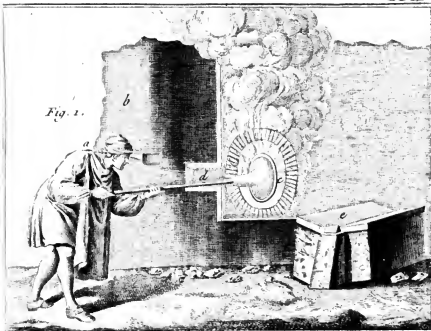




Verrerie en bois, Roulage de la 3^e Chaudière et formation du col de la Bourse.



Verrerie en bois, Formation de la Noix sur la Boîte et soufflé sur le Grés.



Donato d'Araceli

Ferrerie en bois, opération de chauffer la Boîte pour l'aplatir et l'inciser.

Fig. 1^{ere}

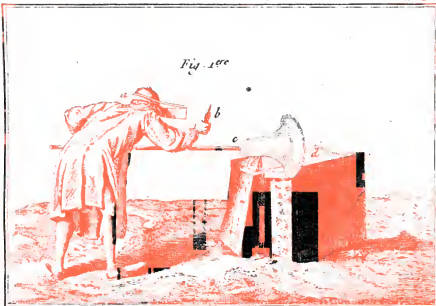
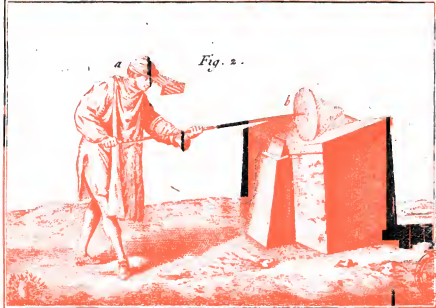


Fig. 2.



Verrerie en bois, 10^e operation de rogner le col de la Boîte et de l'attacher. 35

Fig. 1.

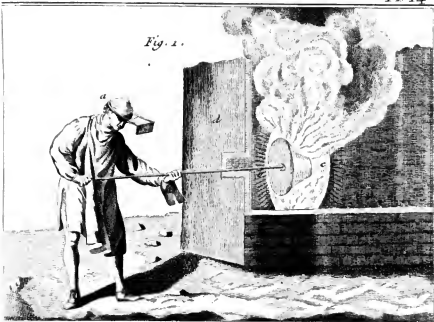
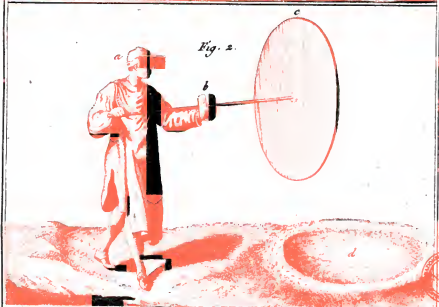


Fig. 2.



Benard inventeur

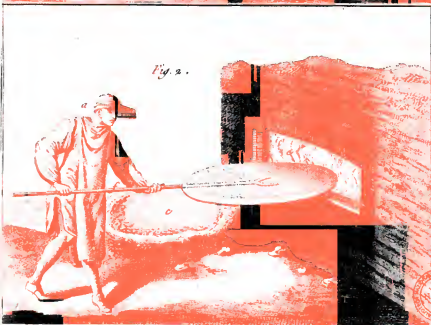
Verrerie en bois, l'opération de chauffer la Bosse et de l'abancher.



Verrerie en bois, opération de chauffer la Boîte pour le Plat et le porter à la plette.

Donné d'après





Verrerie en bois, l'opération de platter le Plat et de le faire recuire au Four.





Verrerie en bois, opération de tirer le Pot hors de l'arche pour le porter au four

Bernard, d'après.





Verrerie en bois, Vue Intérieure du Four d'une grande Verrerie



rie en Plats, et l'Opération de mettre le Pot sur le Siege &c. *Bernard d'excit.*

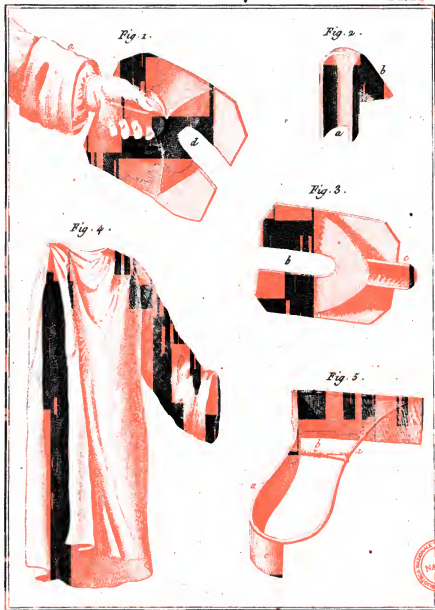


Fig. 1.

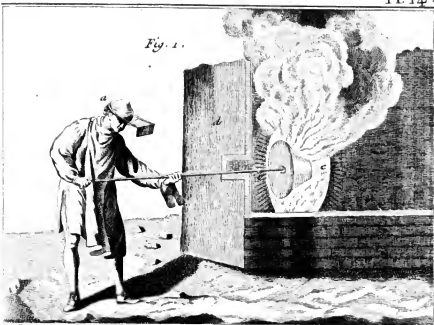
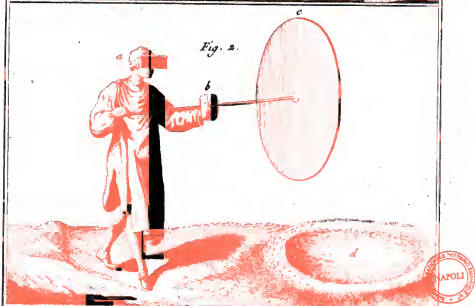


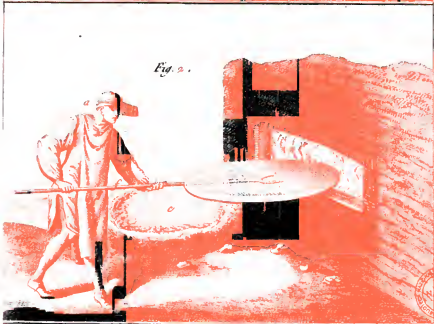
Fig. 2.





Verrerie en bois, opération de chauffer la Boîte pour le Plat et le porter à la platte.

Demarç. Juv. et al.

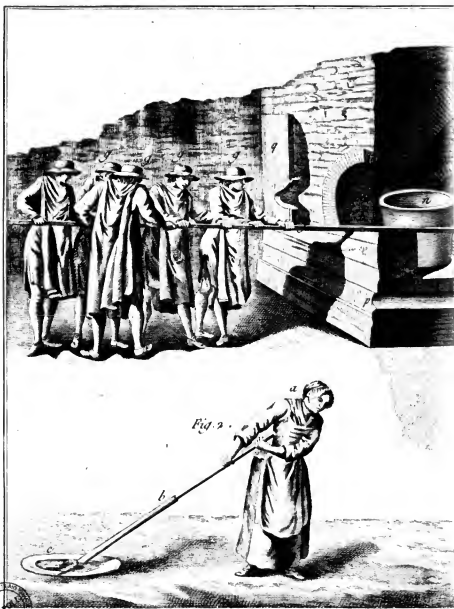


Verrerie en bois, opération de platter le Plat et de le faire recuire au Four.



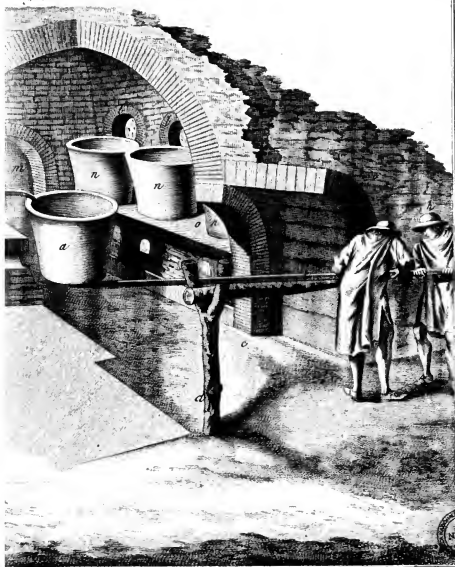


Verrerie en bois, opération de tirer le Pot hors de l'arche pour le porter au four Bernard d'Arcat.

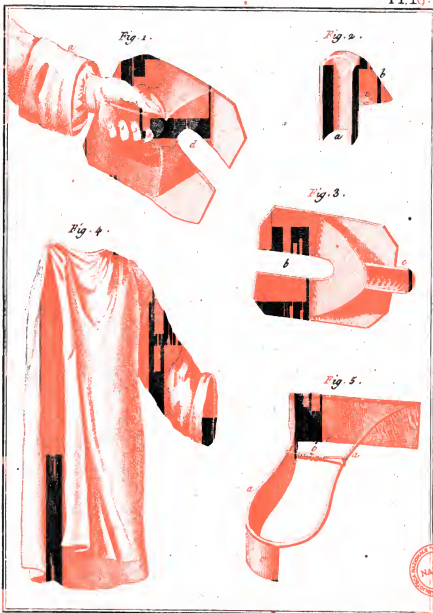


Verrerie en bois, Vue Intérieure du Four d'une grande

Fig. 2.

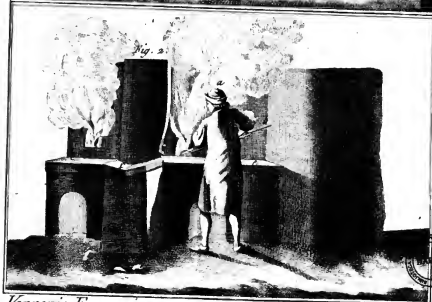
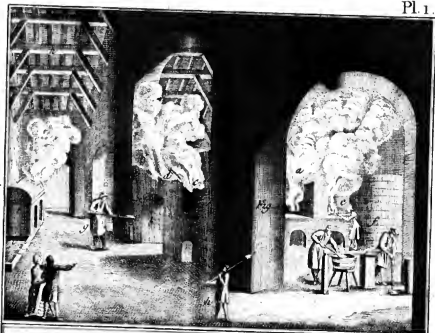


Ferrerie en Plats, et l'Opération de mettre le Pot sur le Siege &c.
Benard del. et sculp.



Verrerie en bois, Utensiles des Tisseurs de grande Verrerie en Plats. 39.





Verrerie Française en Bouteilles, Pour et l'opération de cueillir le Ferre dans le Hot.

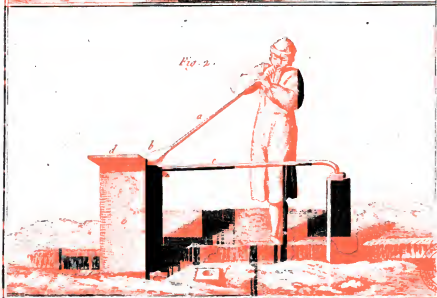
Bonard, Gravé.





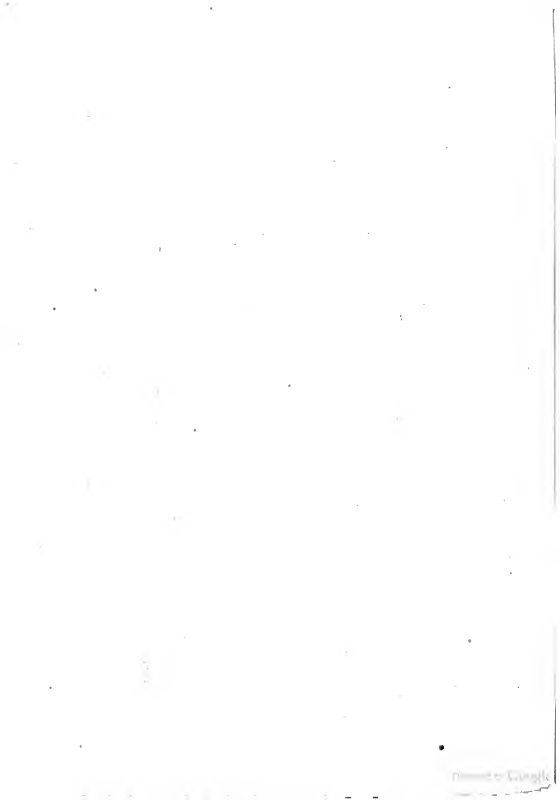
Verrerie en Bouteilles, l'opération de refroidir la Canne et de rouler la Paraison.





Verrerie en Bouteilles, l'opération de former le Col de la Paraison.







Verrerie en Bouteilles, Souffler la Paraison sur le marbre, et la Bouteilles dans le moule.



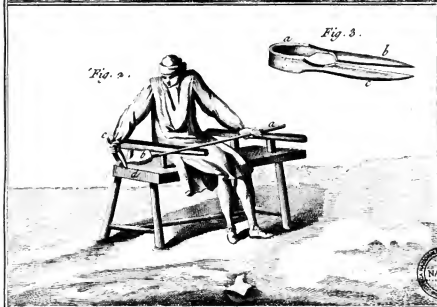
Fig. 3.



Verrerie en Bouteilles, Rouler sur le marbre le ventre de la Bouteille, &c

Benard Joreux





Bonard del. et sculp.

Verreterie en Bouteilles, Former le col de la Bouteilles et la terminer avec la Pince. 42

Fig. 1.



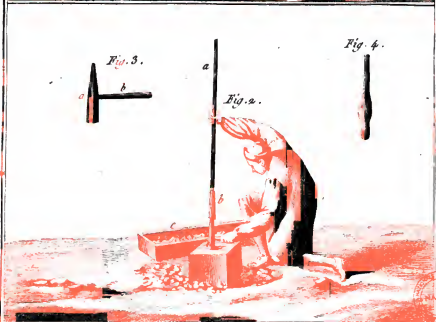
Fig. 3.



Fig. 4.



Fig. 2.

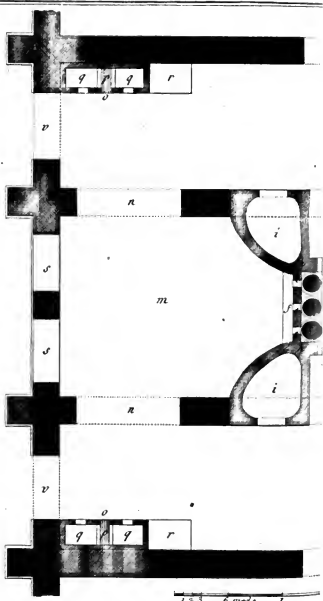


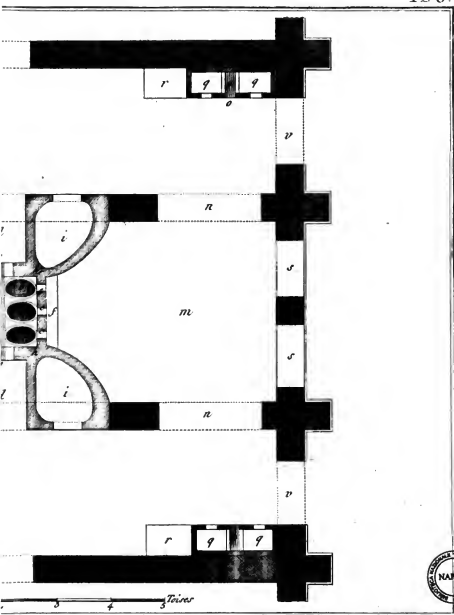
Donard Durand.

Verrerie en Boutiller, Recuit de la Boucille et Nettoyage de la Meute.

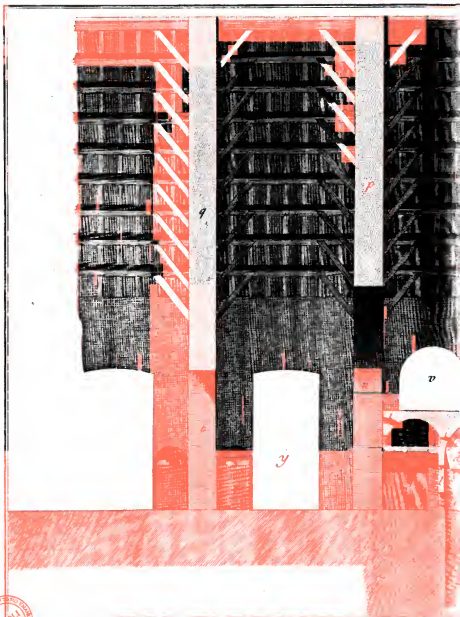


Verrerie en Bouteilles, chauffée en charbon de Tern





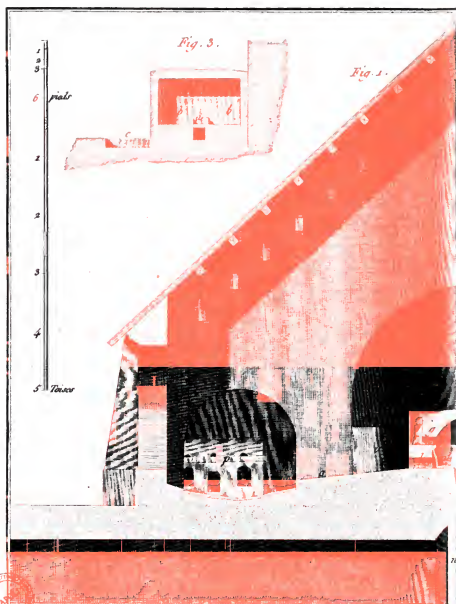
Plan d'une des quatre Halles de la Verrerie Royale de Saxe près Paris. 43



Verrierie en Bouteilles chauffée en Charbon de Terre, coupe s...

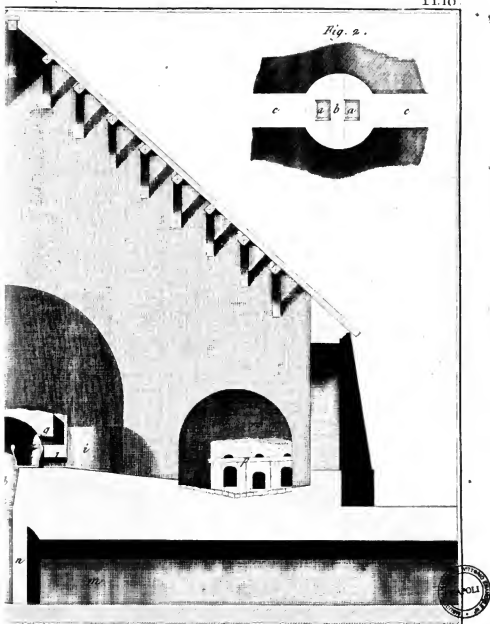


... la longueur d'une des 4 salles, de la Verrerie R.^{le} de Saxe, près Paris. *Renard d'Arcant*



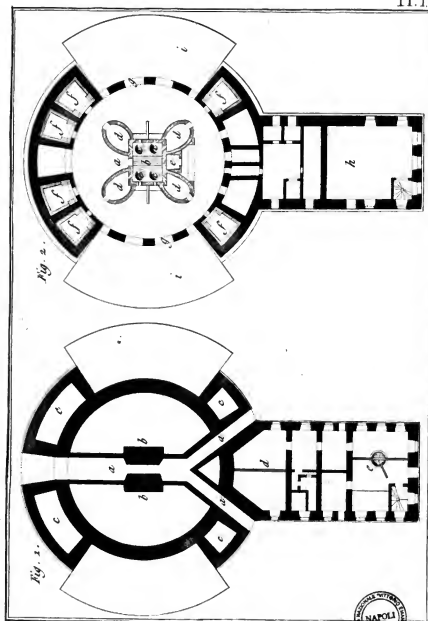
Verrerie en *Bouteilles*, chauffée en Charbon de Terre, Coup

Fig. 2.

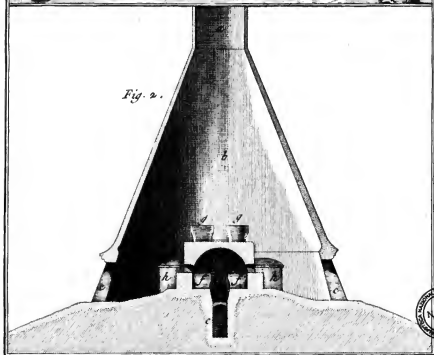
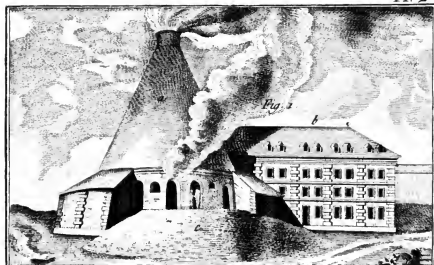


sur la largeur d'une des quatre Halles de la Verrerie Royale de Seve près Paris.

Bernard Juvet



*Trattato di Architettura
di Tommaso Gherardini
del 1750
Fonderia Anglosa, Plans de la Fondation et du 1^{er} Etage d'une Halle, du Four et du Bâiment de Service.*



Verrerie Angloise, Vue et Coupe sur la longueur de la Verrerie.

Bonard delin.

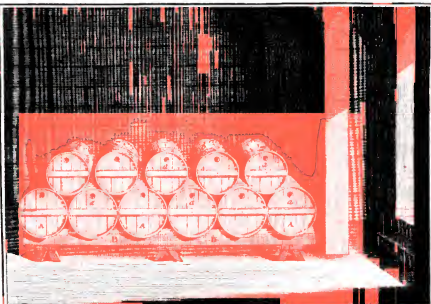


Fig. 2.

Fig. 1.

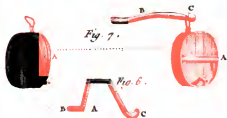


Fig. 5.

Bernard Perrot.

Vinaigrier et Moutardier.



Fig. 3.

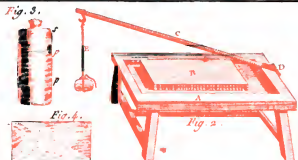


Fig. 1.



Fig. 4.

Fig. 2.

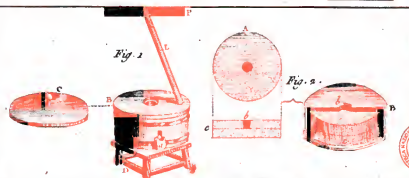


Fig. 1

Fig. 2.

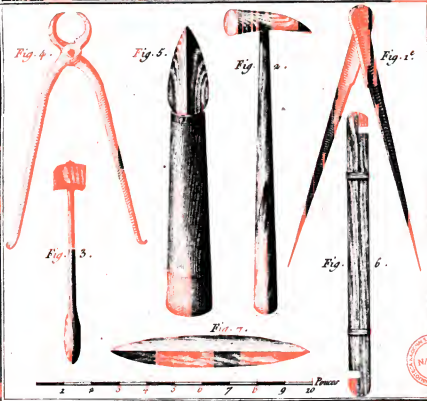


Vinaigrier et Moulardier.

Brevet d'invention

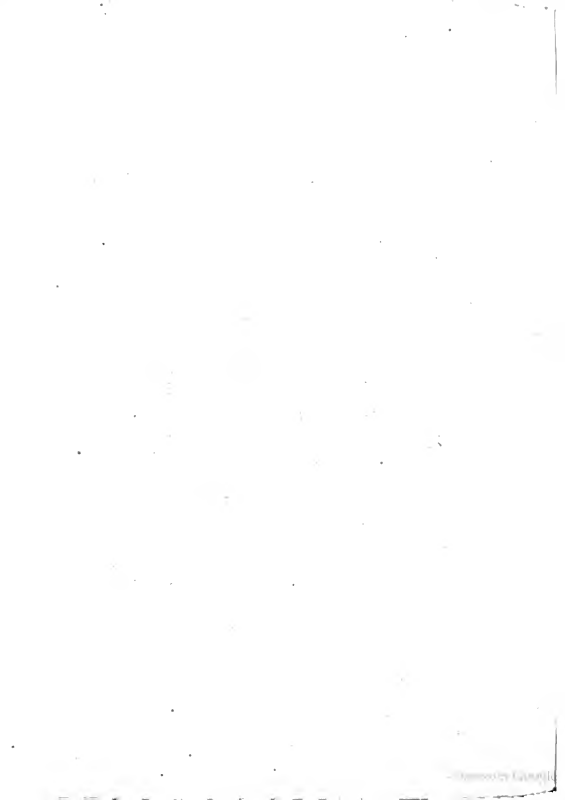


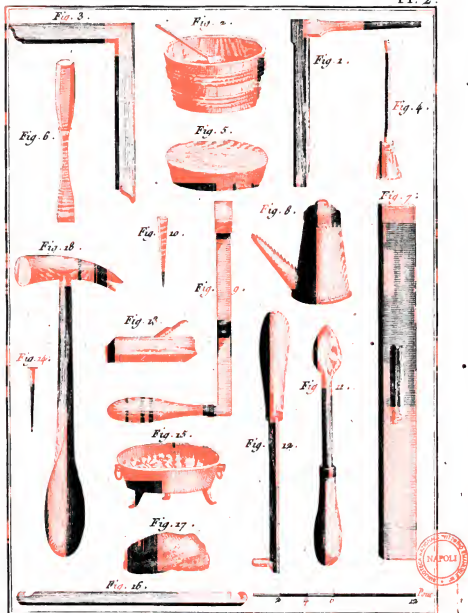
Fig. 0.



Vitrier, Outils.

Donné par M. de la Roche

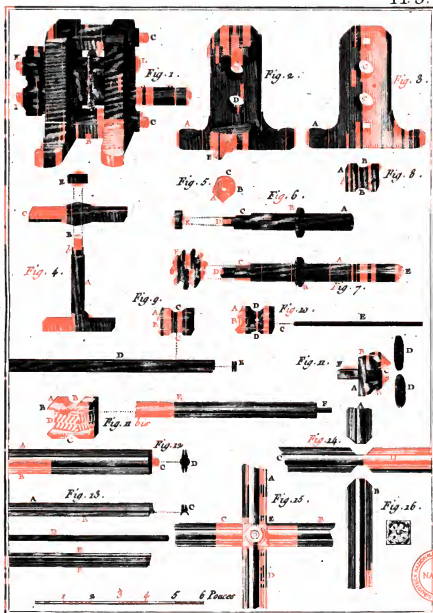


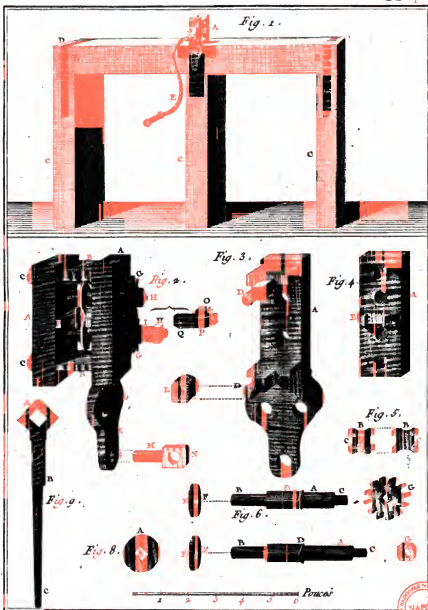


Vilrier, outils

Donné par l'auteur.

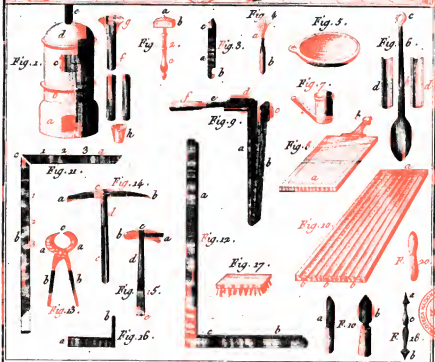
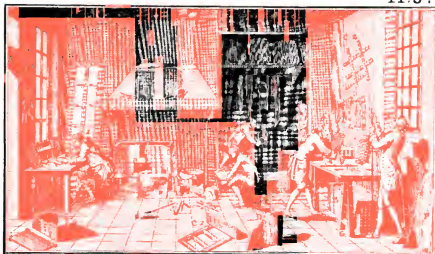






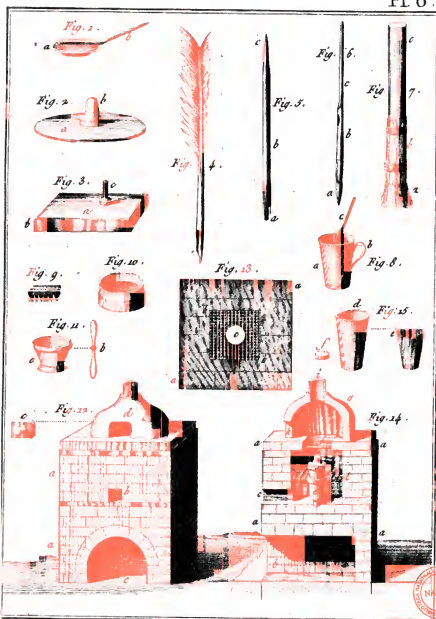
Vitrier, Tire-plomb d'Allemagne.





Vulnier et Peintre sur Verre. Bonard & Co. 50

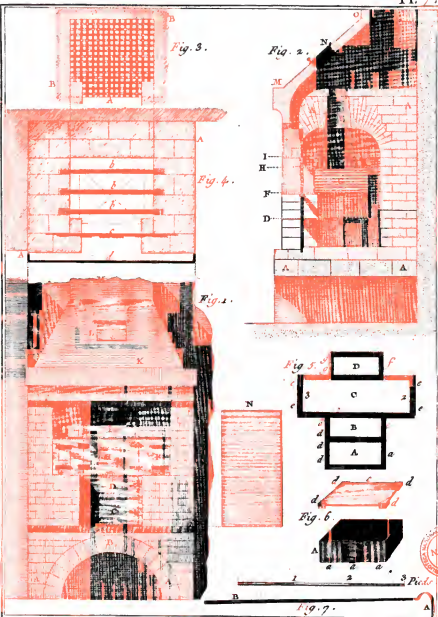




Vitrier, Utensiles du Peintre sur Verre.



11 Mars 1871



Vitrier, Peintre sur Verre, Fourneau à cuire le Verre Peint.

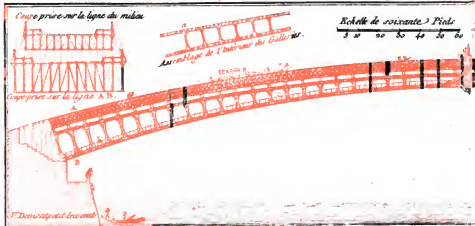


Vitrier, Peintre sur Verre; Verre au trait et Peint.

Bonard del. et sculp.



Pont de fer d'une seule Arche de 400 pieds d'ouverture, orné d'un Pyromètre qui indique



Voutes et Planchers en Fer; et

sur les degrés de la dilatation et de la contraction du Fer ainsi que la température de l'air.

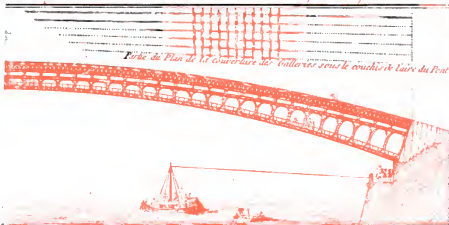


Fig. 1.

Armatures de chacune 17 p.² 7 po. de long
ensemble 1192^l.
Tirans servant à retenir les deux Murs de
et à supporter les Moutons de plâtre, parous
nble 180^l.
plattes - bandes de petit fer plat, servant
à retenir les Moutons de plâtre parous ensemble 180^l.
Total du poids des Fers 1532^l.

Fig. 2 et 3.

des de petit fer plat d'un pouce neuf lignes sur
tre lignes d'épaisseur avec Boulons de 8 lignes.

A, a, Brûle vue de Profil.

B, Brûle double avec clavette, vue de Profil.

C, Epaisseur du plâtre pour le Plafond au dessous
des Fers.

D, Barre de fer courbe de 2 pouces 4 lignes de large
sur un pouce d'épaisseur.

E, Barre droite servant de corde à celle courbe du
dessus de 15 lignes quarrées, armée aux extrémités
de doubles Talons pour contenir la Courbe supérieure.

F, Carrelage passant au dessus des Fers.



Fig. 3.

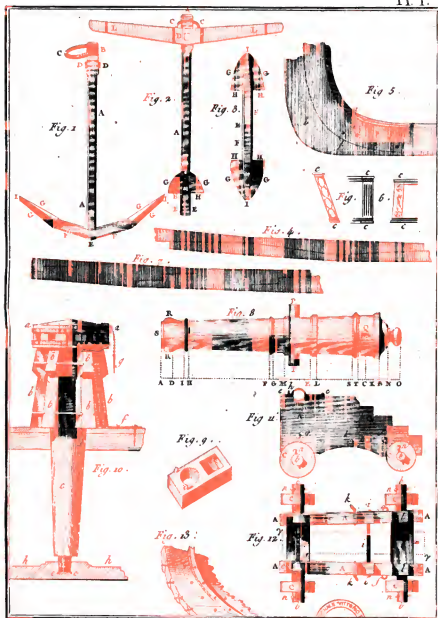


Nota. L'Intervalle entre
le Carrelage et le Plafond
haché en Tailles diagonales
amporte un Mouton en
plâtre et plâtre de six
pouces environ d'épaisseur
le reste de cet intervalle qui
se trouve être d'environ 2
p. 6 lig. est rempli de
poussière par lepis
sur du Carreau.

L'épaisseur totale du
Plancher, Carreau et
Plafond compris, ne
monte qu'à 8 p. 4.



Benedict Sulz.



Marine.



Imprimé chez M. Vincent



Fig. 14.

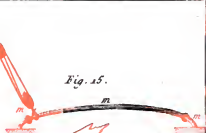


Fig. 15.

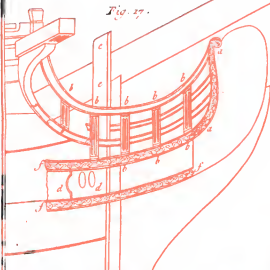


Fig. 17.

Fig. 16.



Fig. 20.



Fig. 19.

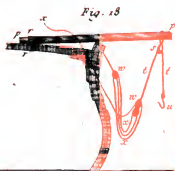


Fig. 18.



Marine.

Pl. 2. 1860

Fig. 21.



Fig. 22.



Fig. 23.



Fig. 25.



Fig. 26.



Fig. 24.



Fig. 27*.

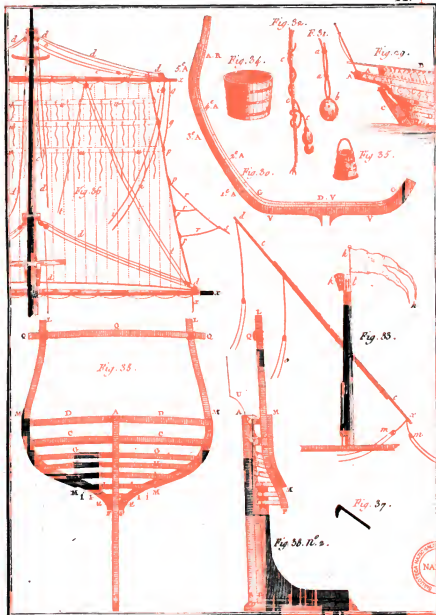


Fig. 28.



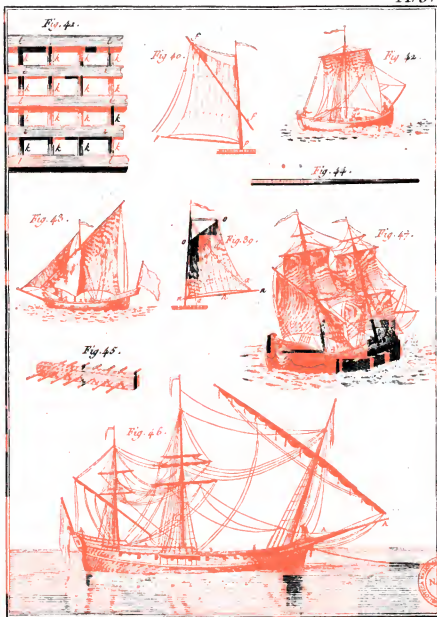
Fig. 27.





Marine.

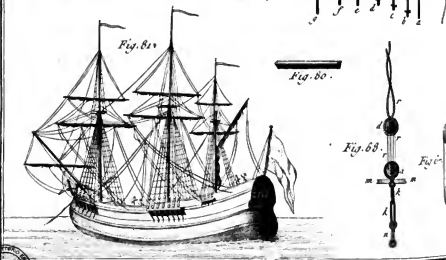
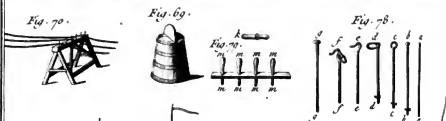
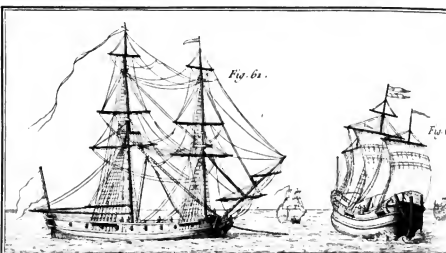
Simone Strozzi.



Marine.

Benard Smith





Mar

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Fig. 65.

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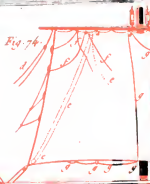


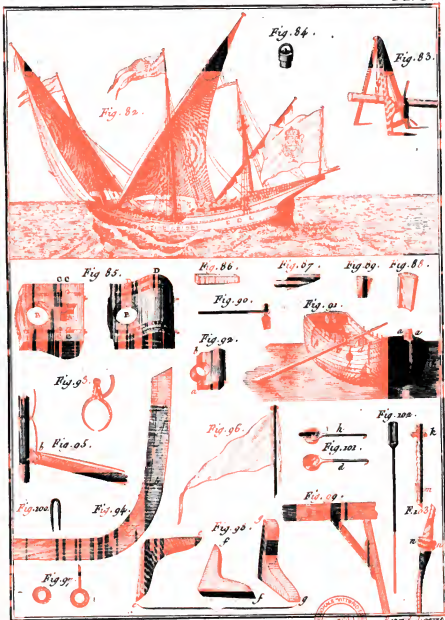
Fig. 66.

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Fig. 104.



Fig. 106.



Fig. 108.



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Fig. 119.



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Fig. 123.



Fig. 124.

Fig. 125.



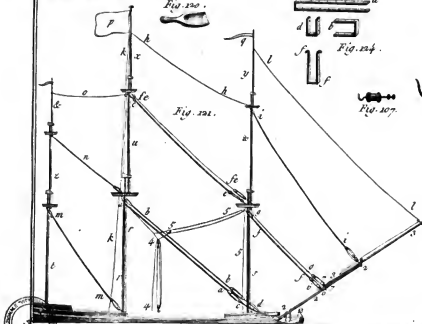
Fig. 107.



Fig. 122.



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Fig. 126.



Fig. 126



Fig. 131.



Fig. 130.



Fig. 129



Fig. 135.



Fig. 134.



Fig. 127



Fig. 132

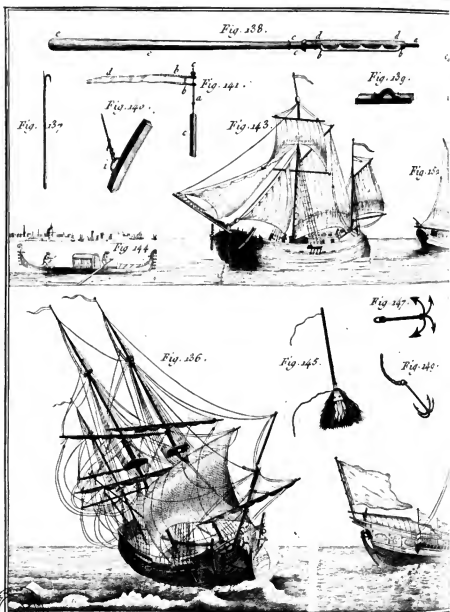


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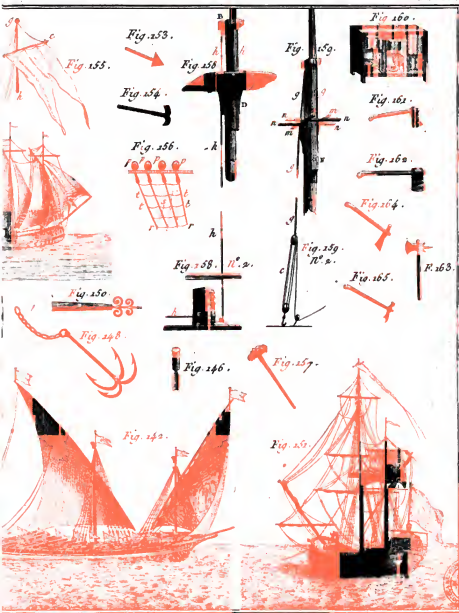


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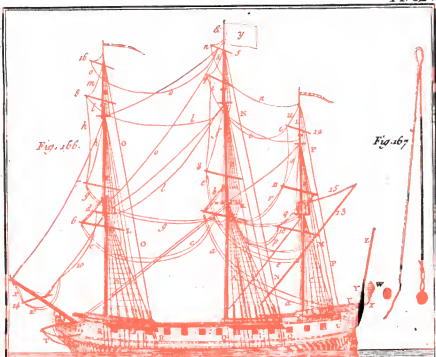


Fig. 169.



Fig. 170.



Fig. 171.

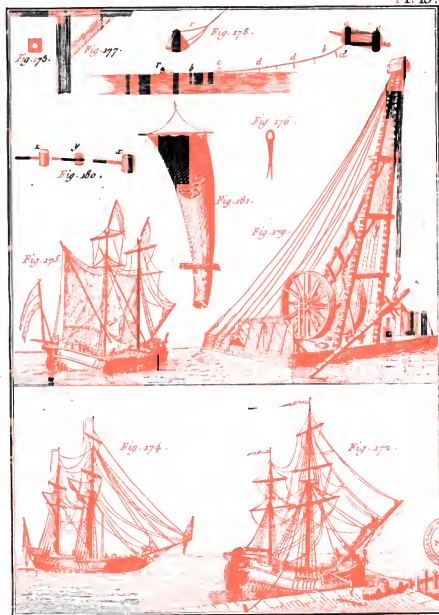


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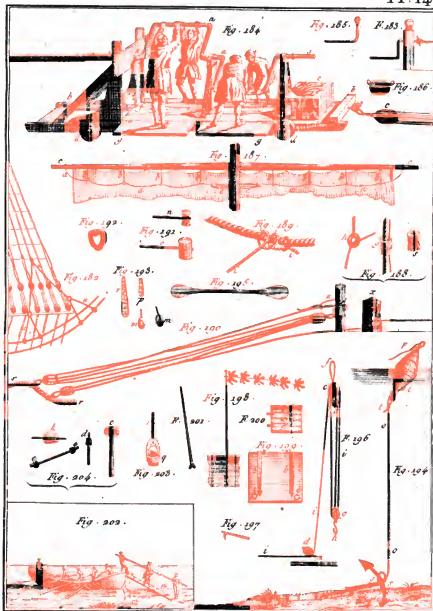


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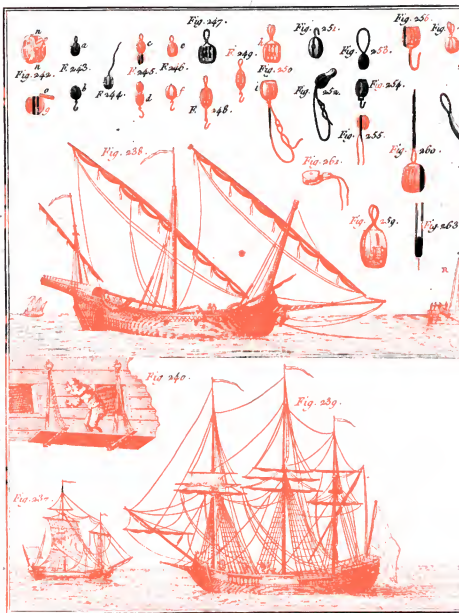


Fig. 276.



Fig. 277.



Fig. 279.



Fig. 278.



Fig. 281.

Fig. 285.



Fig. 289.



Fig. 291.



Fig. 292.



Fig. 284.



Fig. 283.



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Fig. 287.



Fig. 290.



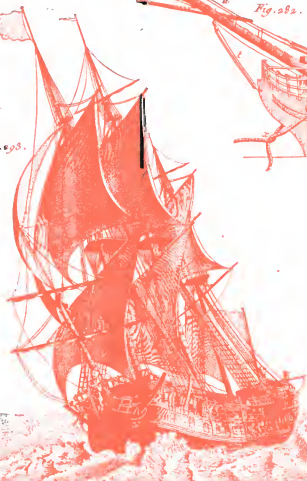
Fig. 288.



Fig. 282.

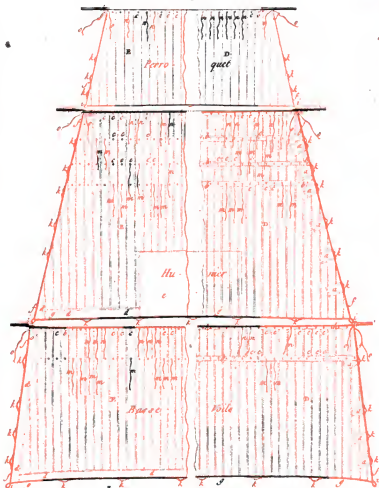


Fig. 283.



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Fig. 295.



Fig. 296.

Fig. 297.



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Fig. 289.



Fig. 291.

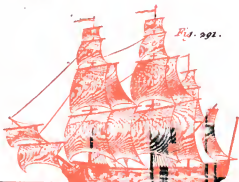


Fig. 292.



Fig. 284.



Fig. 283.





Fig. 287.



Fig. 288.



Fig. 289.

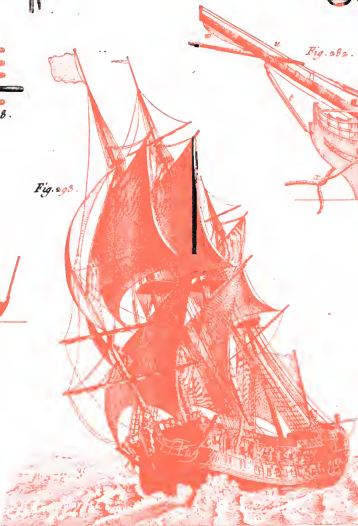


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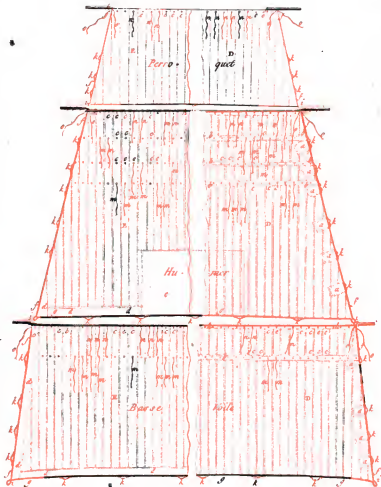


Fig. 292.



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Fig. 294.



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Fig. 297.



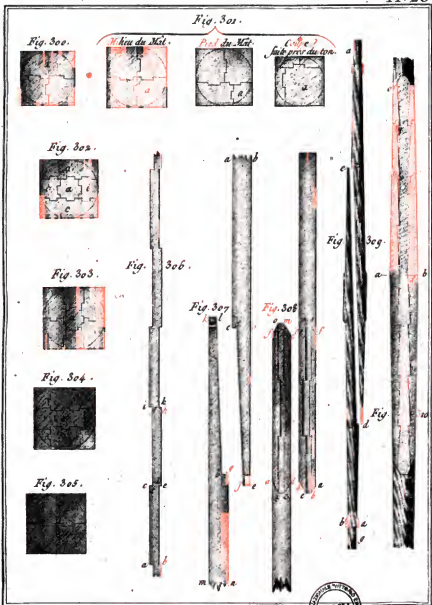
Fig. 298.



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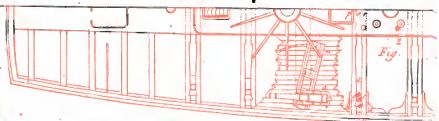
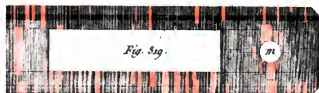
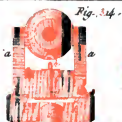


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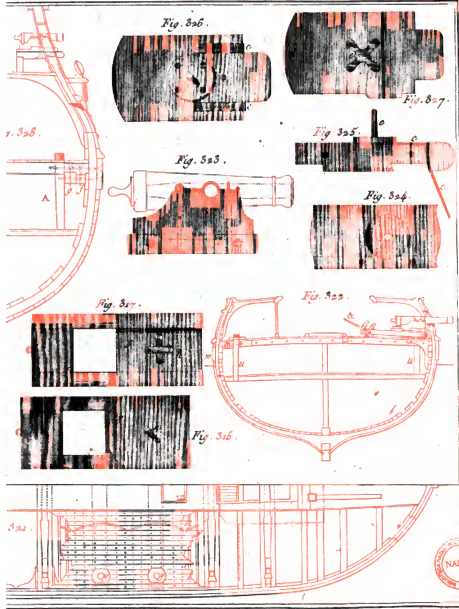


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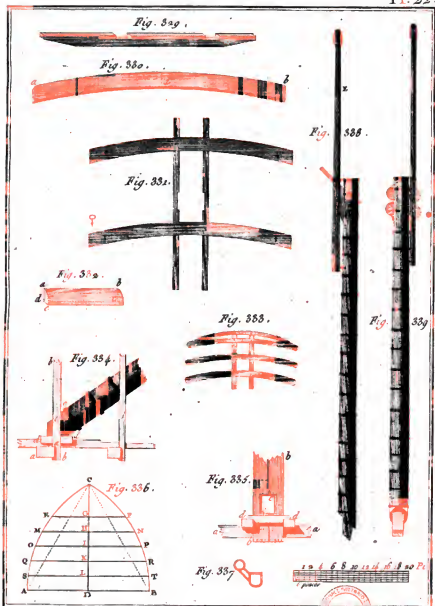


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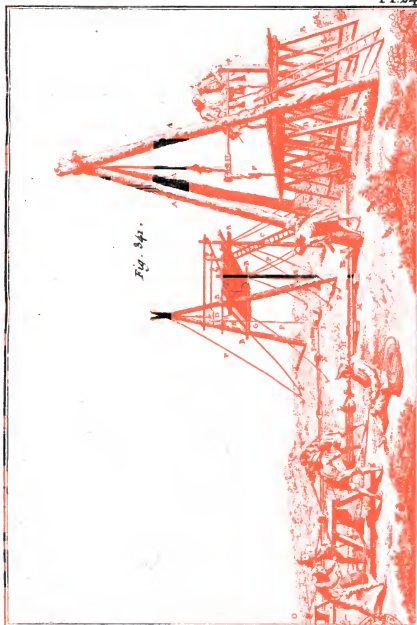
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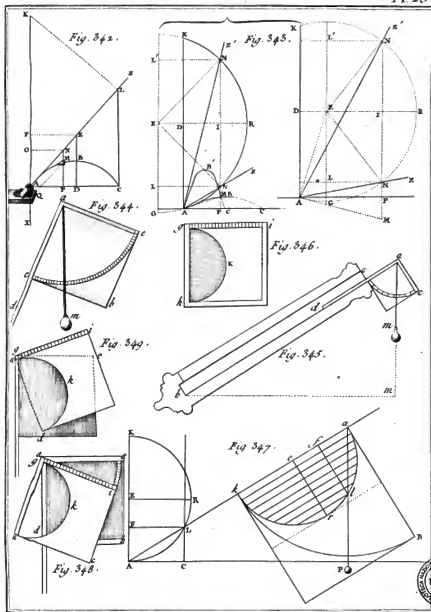
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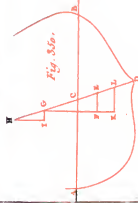
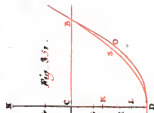
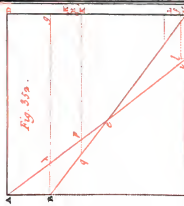






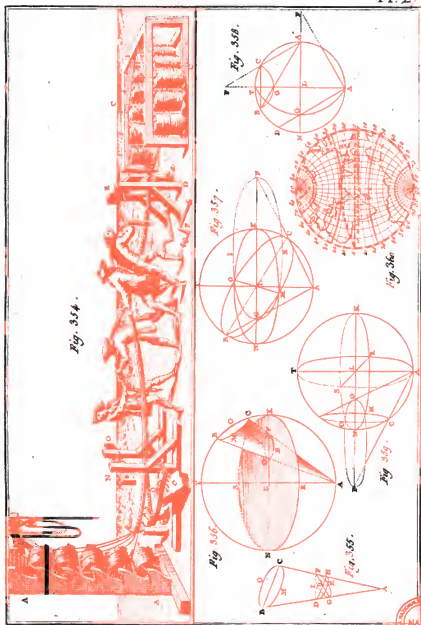
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Fig. 361.



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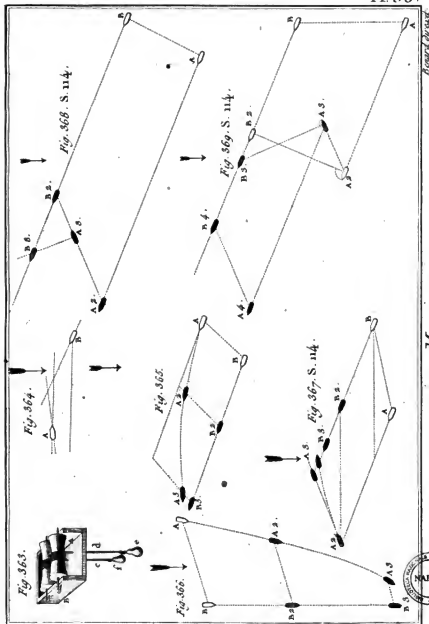
Fig. 362.



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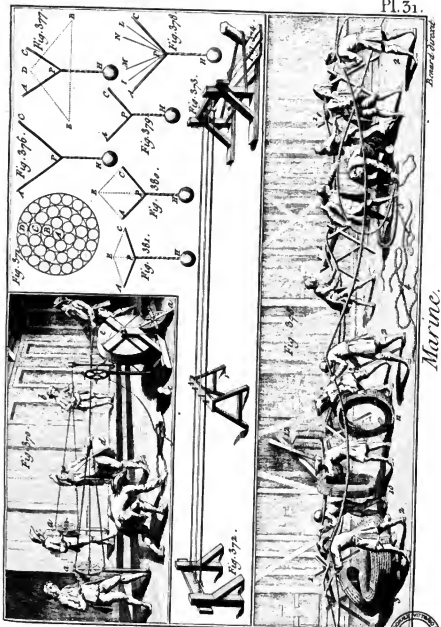


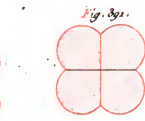
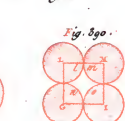
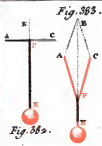


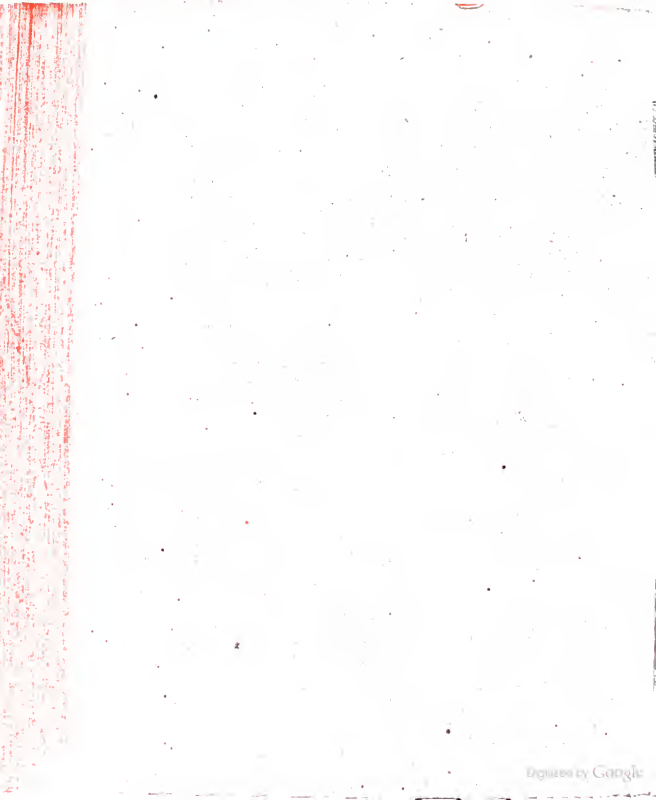
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Fig. 406.

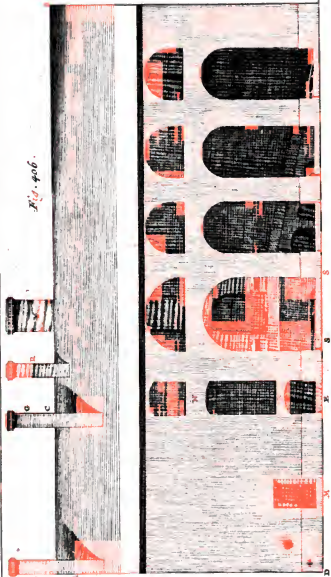


Fig. 408.



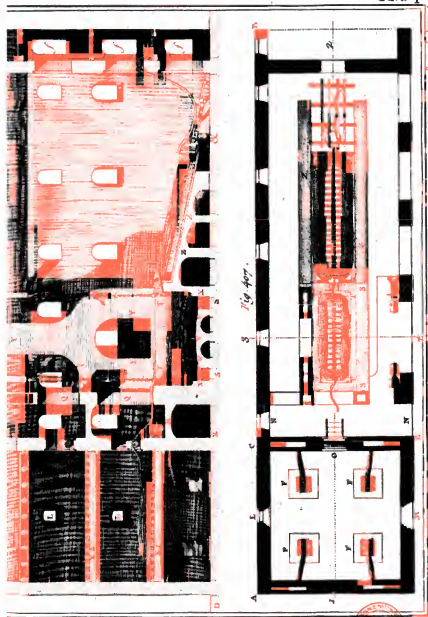


Fig. 409.



Fig. 410.



Fig. 411.



Fig. 412.



Fig. 413.

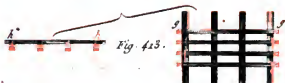


Fig. 414.



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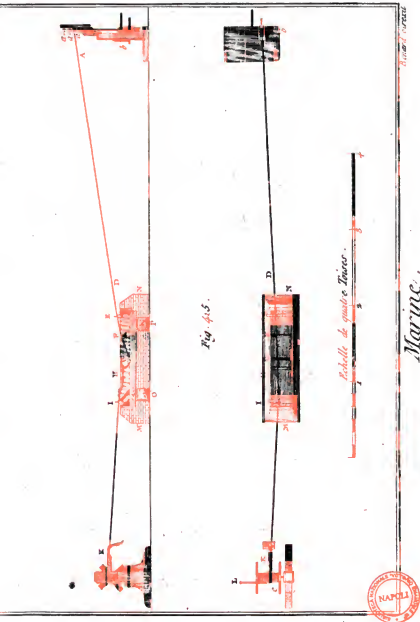


Fig. 424.*



Fig. 423.*



Fig. 425.*



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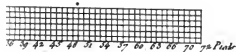
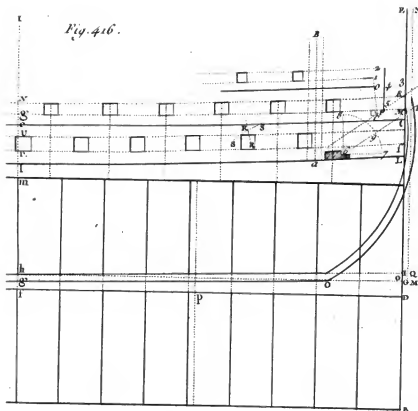
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Fig. 497 *

Fig. 498 *



Fig. 416.



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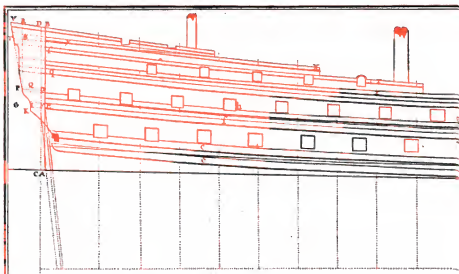
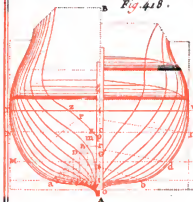


Fig. 418.



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Fig. 417.

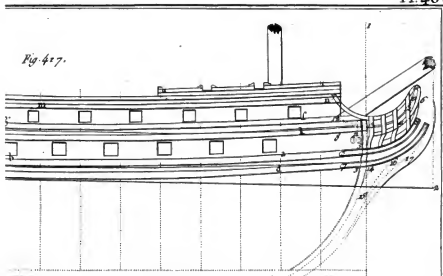


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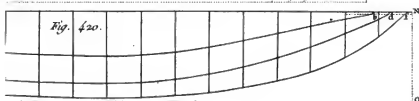
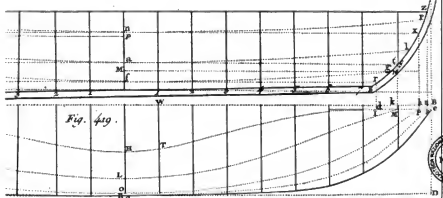


Fig. 419.



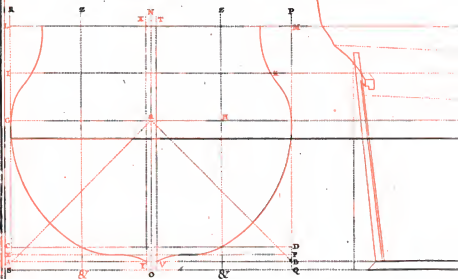
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Fig. 421.



Fig. 422.



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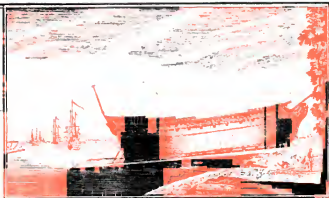
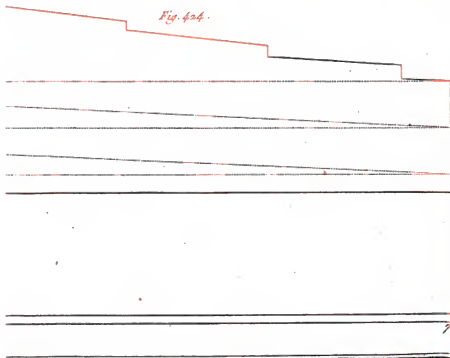


Fig. 422.

Fig. 424.



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Fig. 426.

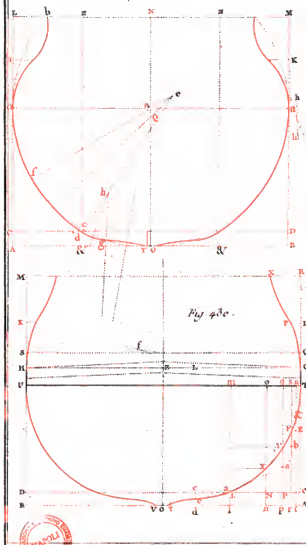


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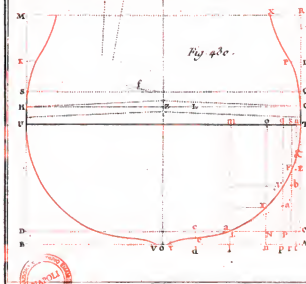


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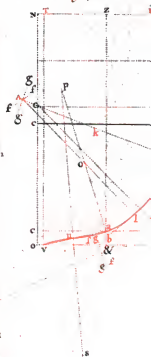


Fig. 428.



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Fig 427.

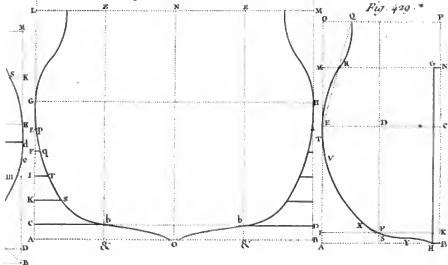
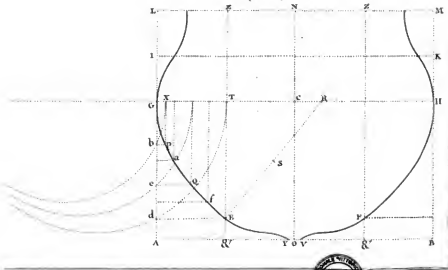
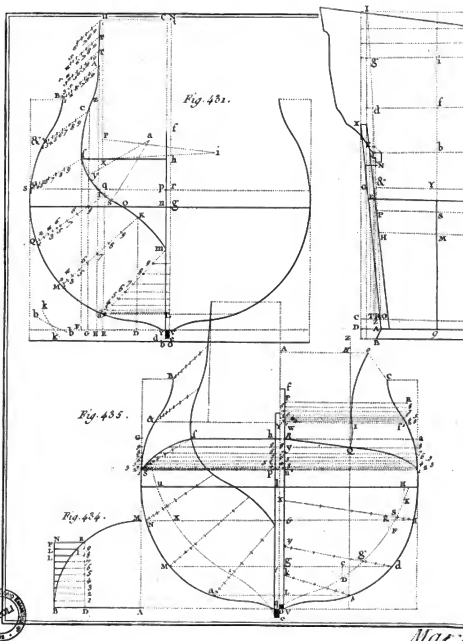


Fig 429.*

Fig 429.

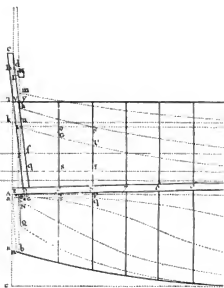
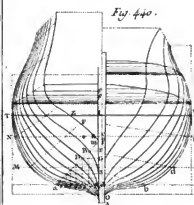
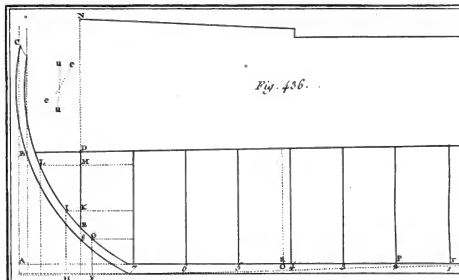


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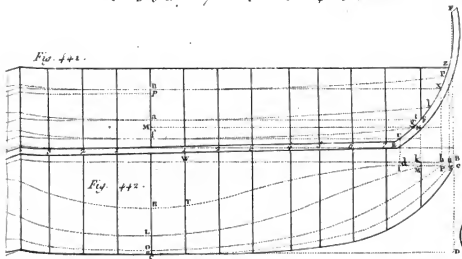
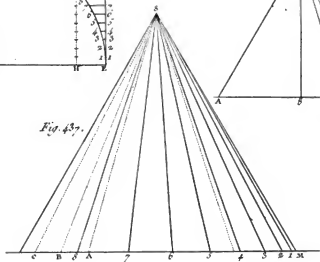
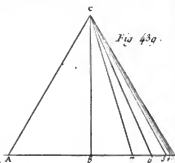
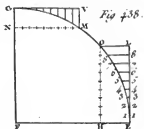


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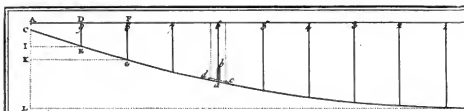


Fig. 443.

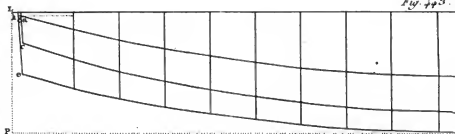


Fig. 447.

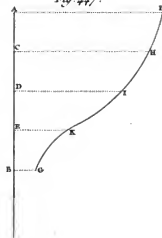
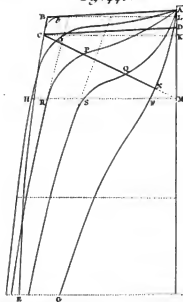
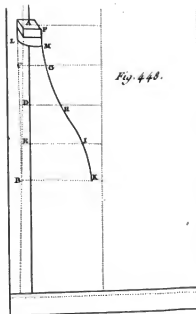
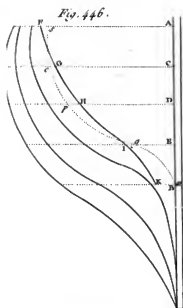
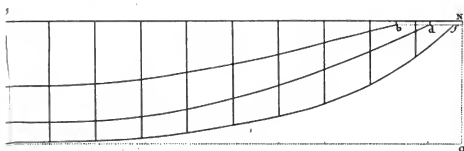
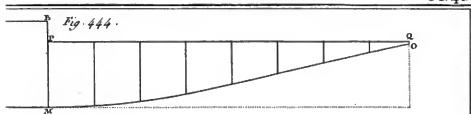
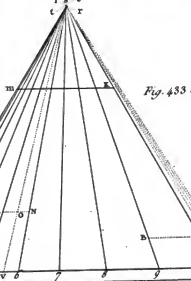
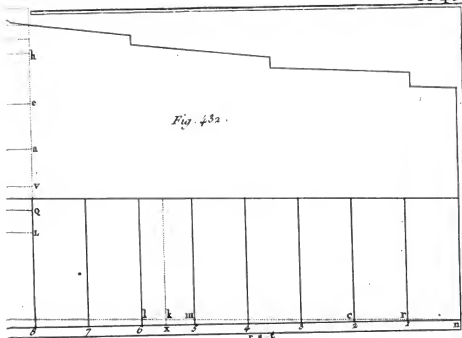


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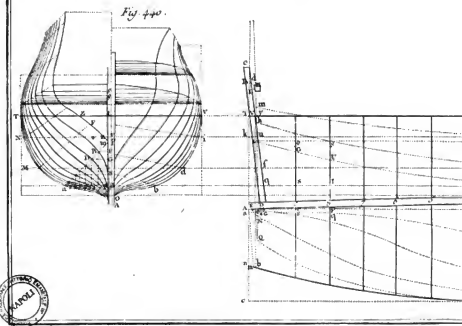
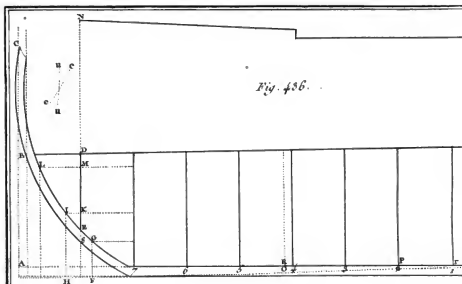


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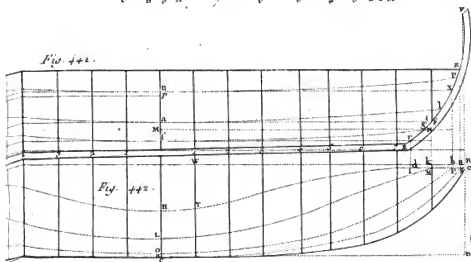
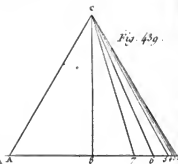
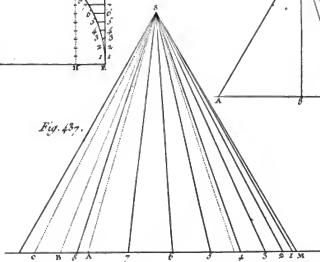
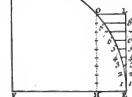




Fig. 443.

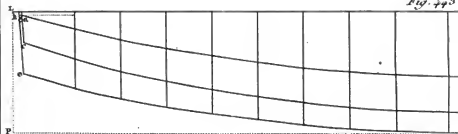


Fig. 445.

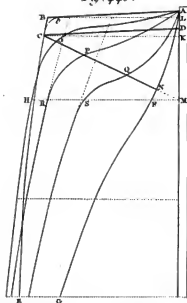
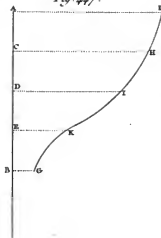


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Fig. 444.

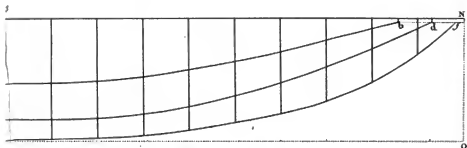
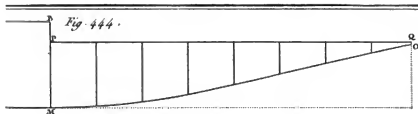


Fig. 446.

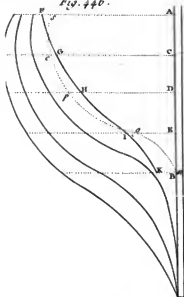
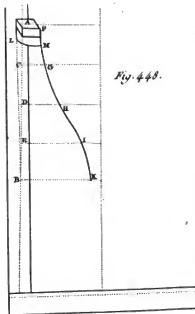
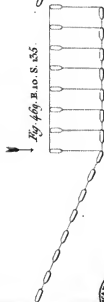
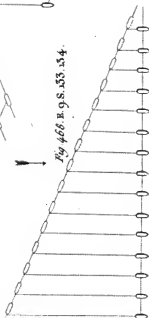
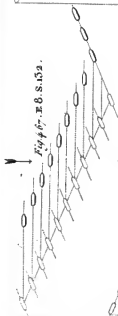
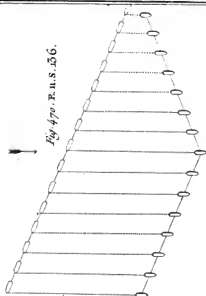
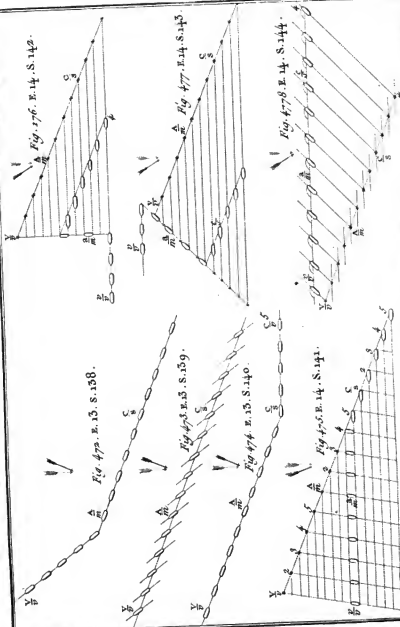


Fig. 448.







ward side.

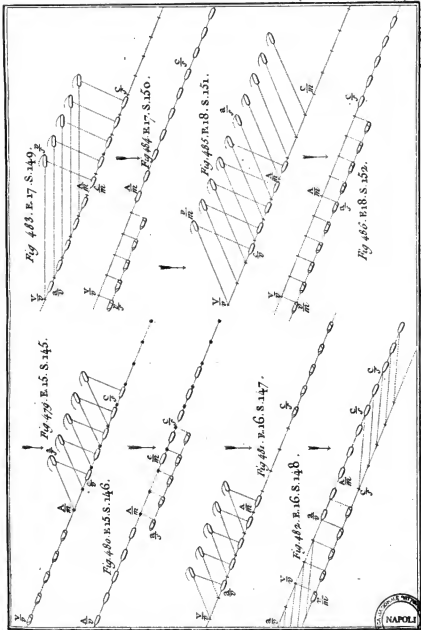




Fig. 487. E. 22. S. 153.



Fig. 488. E. 22. S. 154.

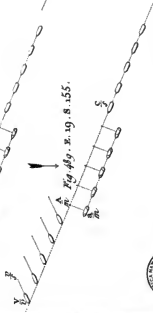


Fig. 489. E. 22. S. 155.

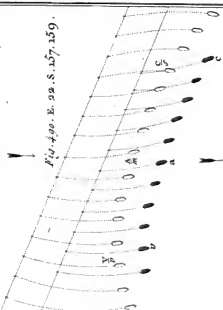
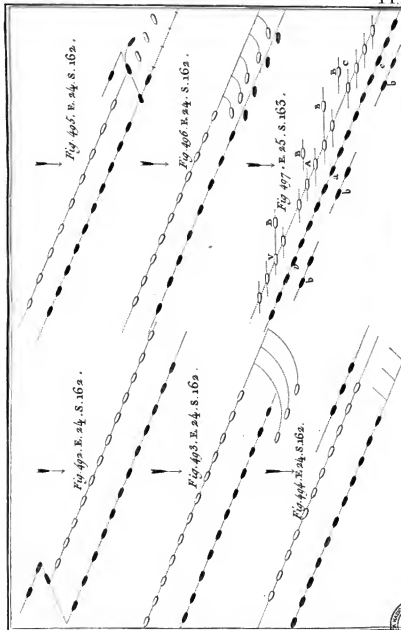
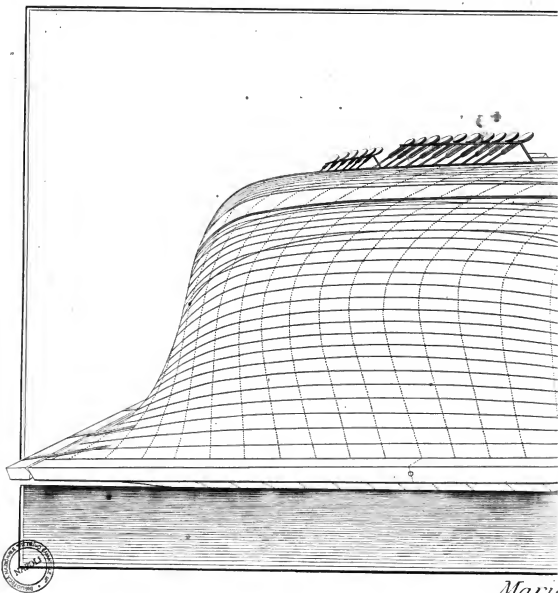


Fig. 490. E. 22. S. 157. 159.



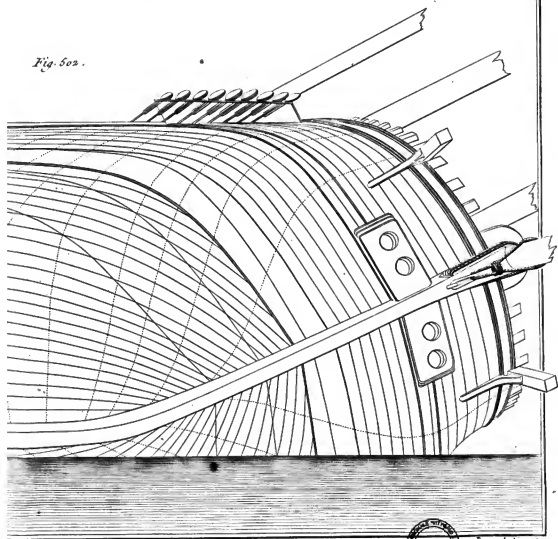
Fig. 491. E. 24. S. 162.



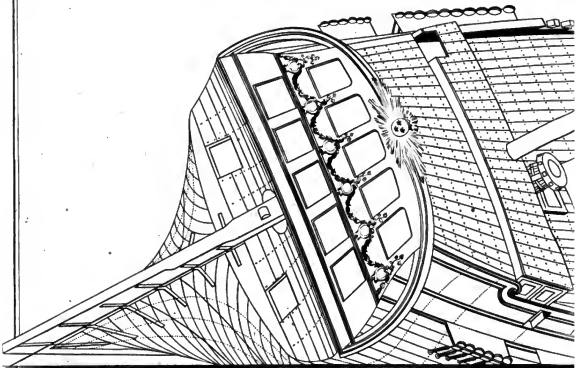


Mario

Fig. 502.

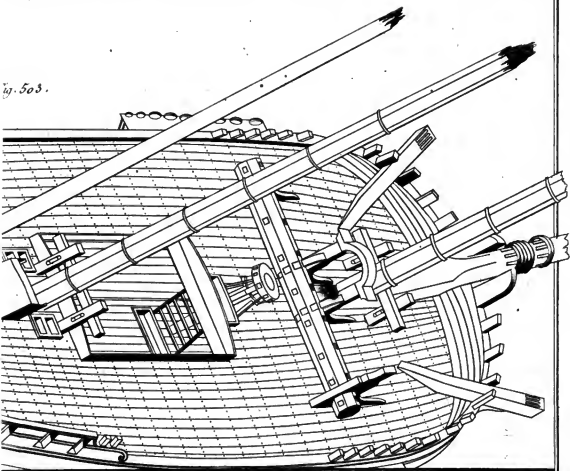


Benard invent.



Mar

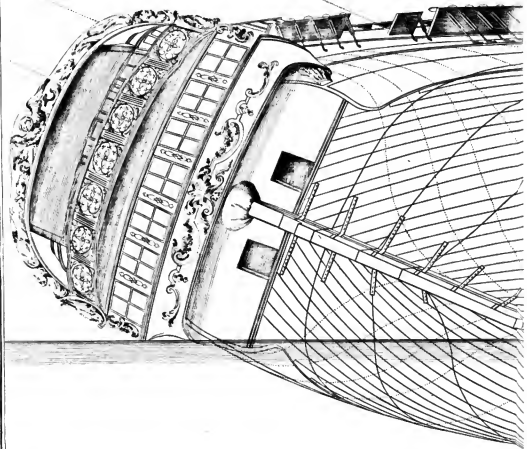
Fig. 503.



ne.

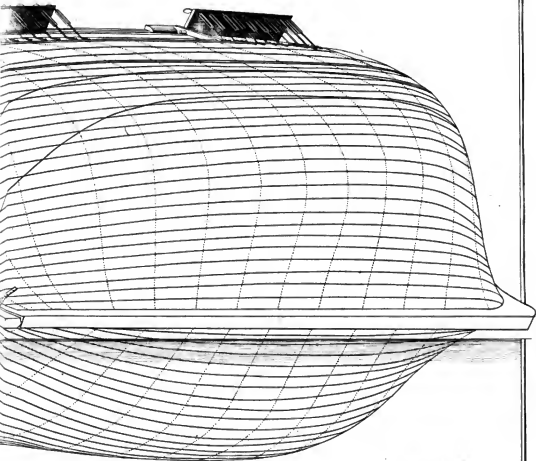


Bernard Juvet



Marin

Fig. 504.



ine).



Bernard Orsini.

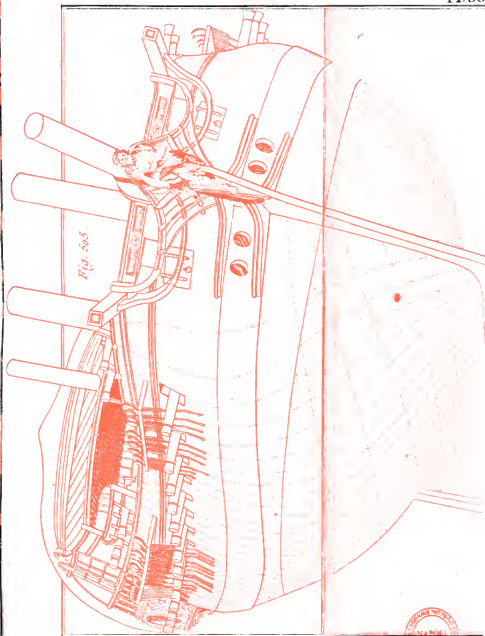


Fig. 498. E. 25. S. 163.



Fig. 499. E. 26. S. 164.



Fig. 500. E. 27. S. 165.



Fig. 501. E. 28. S. 170.

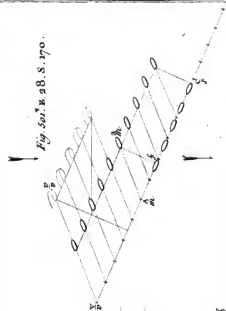
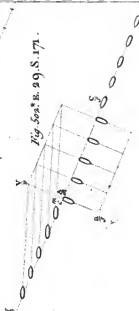
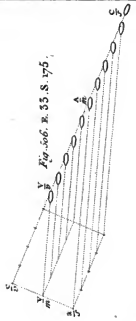
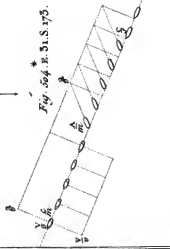
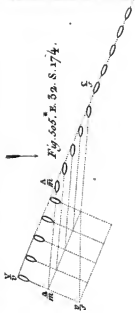
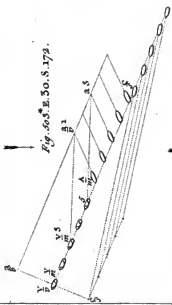


Fig. 502. E. 29. S. 171.





Amward toward

Marine.

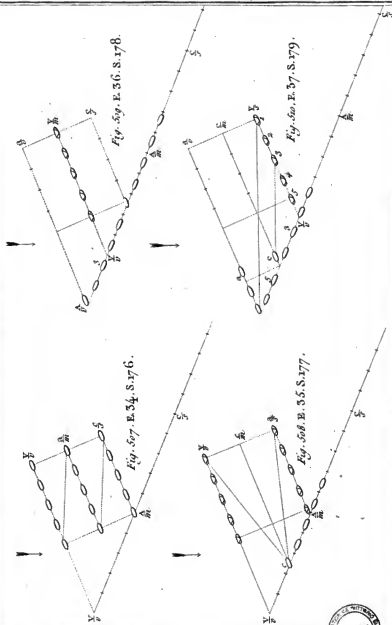


Fig. 513.
E. 40. S. 182.

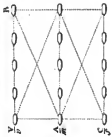


Fig. 514.
E. 46. S. 192. 193.

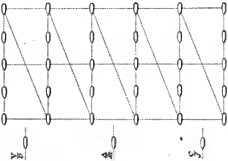
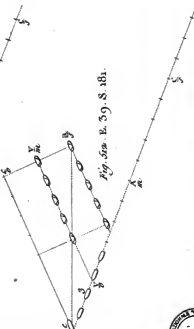


Fig. 515. E. 38. S. 180.



Fig. 516. E. 39. S. 181.



Marine.

Head turned.





Fig. 565. E. 41. S. 183.

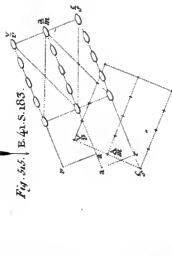


Fig. 566. E. 44. S. 188.

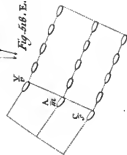


Fig. 569. E. 44. S. 189.

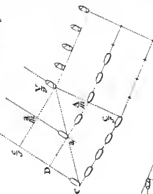


Fig. 567. E. 43. S. 185.



Fig. 568. E. 43. S. 184.

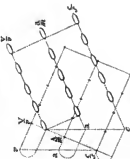


Fig. 560. E. 45. S. 191.

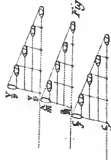


Fig. 523. E. 49. S. 204.

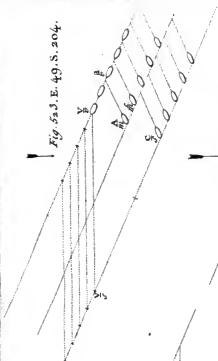


Fig. 524. E. 50. S. 205.

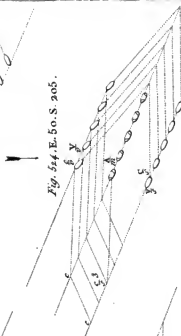


Fig. 521. E. 47. S. 202.

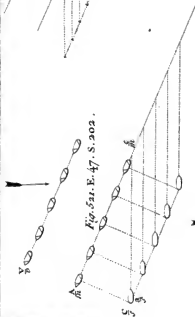
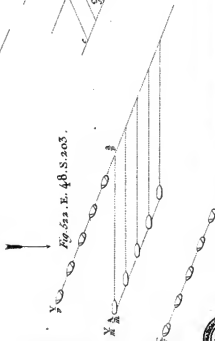
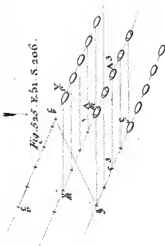
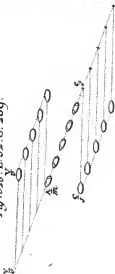
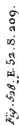


Fig. 522. E. 48. S. 203.





Marine.

Howard Carter

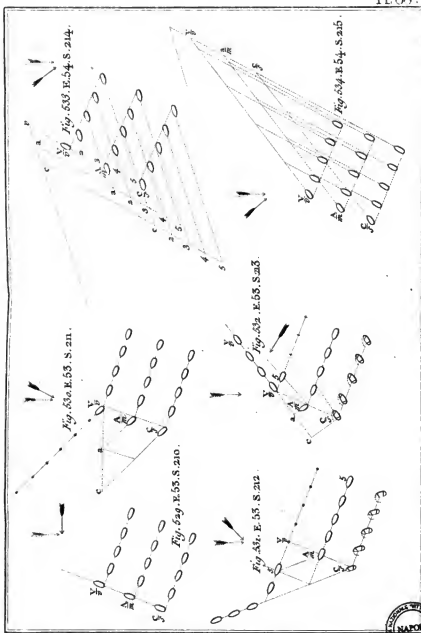


Fig. 538. E. 57. S. 220.

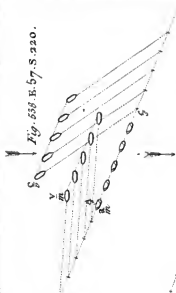


Fig. 539. E. 58. S. 221.

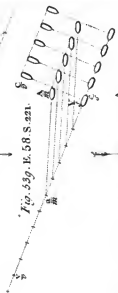


Fig. 540. E. 59. S. 222.



Fig. 535. E. 55. S. 217.

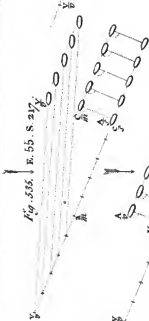


Fig. 536. E. 56. S. 218.

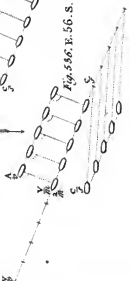


Fig. 537. E. 56. S. 219.



Fig. 541. E. 60. S. 223. $\frac{V}{2}$



Fig. 542. E. 61. S. 224. $\frac{A}{m}$

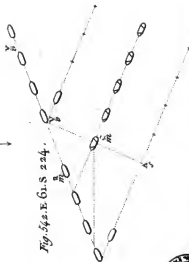


Fig. 543. E. 62. S. 225. $\frac{V}{2}$



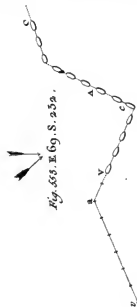
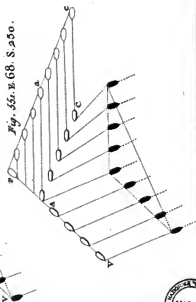
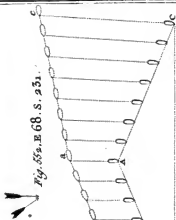
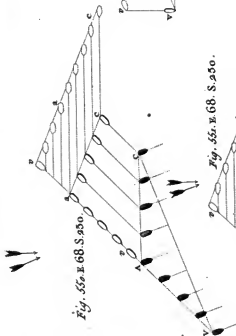
Fig. 544. E. 63. S. 226. $\frac{A}{m}$

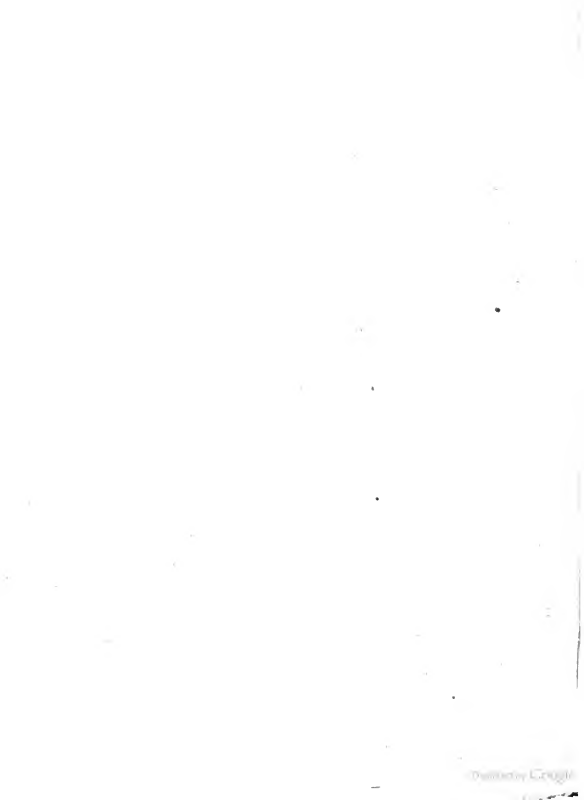


Marine.

Amesbury.







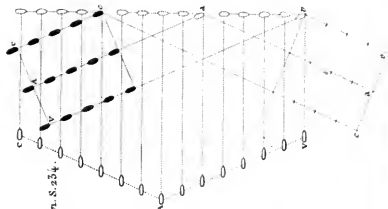


Fig. 556. E. 7. S. 234.



Fig. 554. E. 69. S. 232.



Fig. 555. E. 70. S. 233.



Fig. 559. E. 73. S. 238.



Fig. 557. E. 72. S. 237.

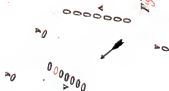


Fig. 560. E. 74. S. 90. 91. 92.



Fig. 558. E. 73. S. 238.



Marine.



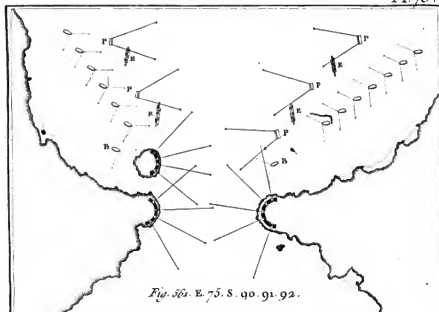


Fig. 56a. E. 75. S. 90. 91. 92.

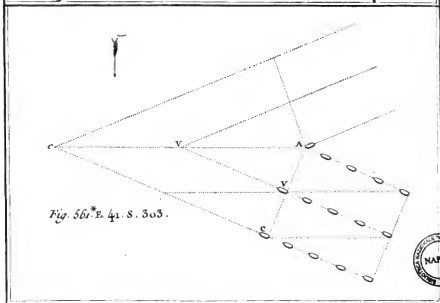


Fig. 56a* E. 41. S. 303.



Marine.

Richard Duxcey.

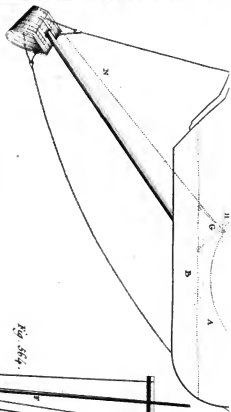


Fig. 564.

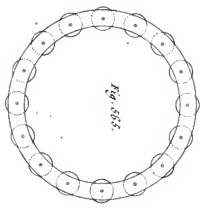
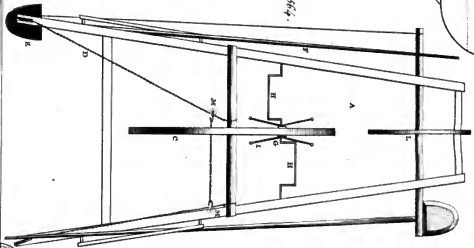
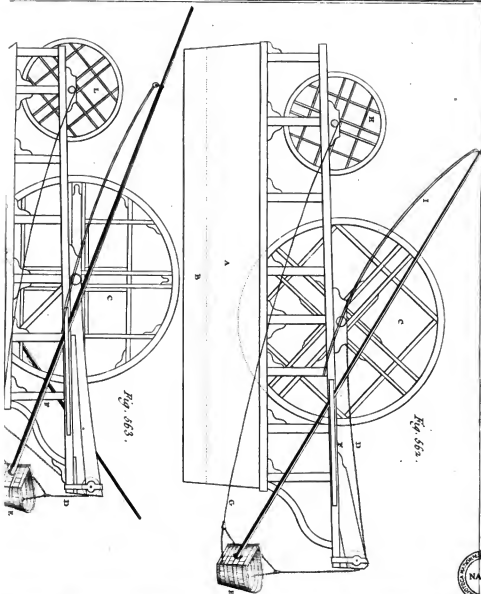


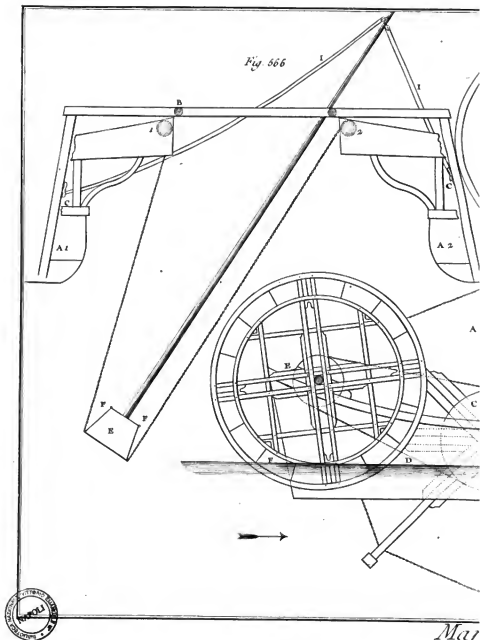
Fig. 565.





Renard Duraxet

Fig. 566



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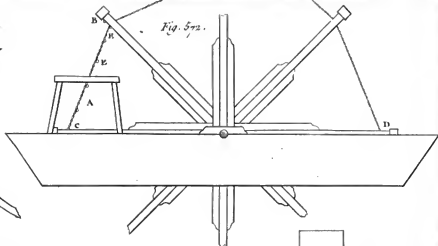


Fig. 572.

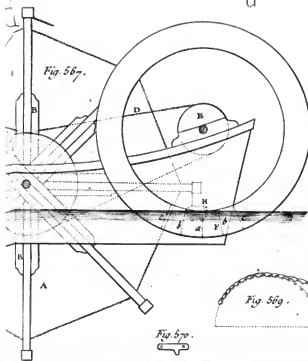


Fig. 567.

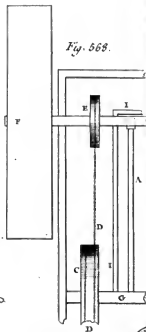


Fig. 568.



Fig. 569.

Fig. 570.

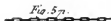
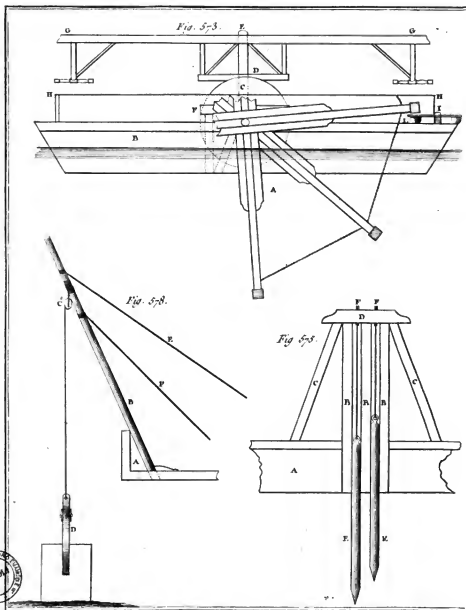


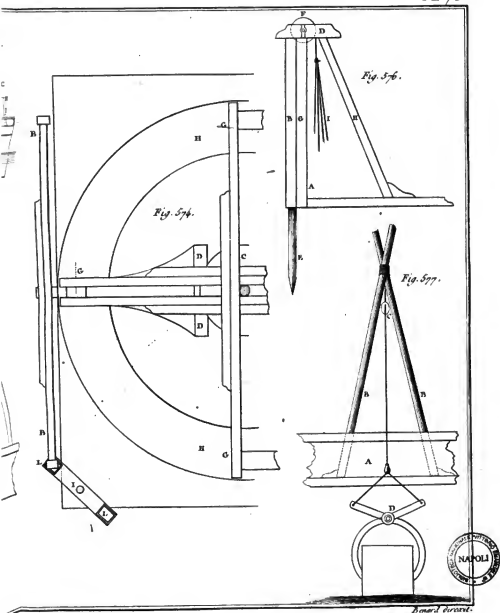
Fig. 571.



Renard Invented



Maria



Board front.

Fig. 579.

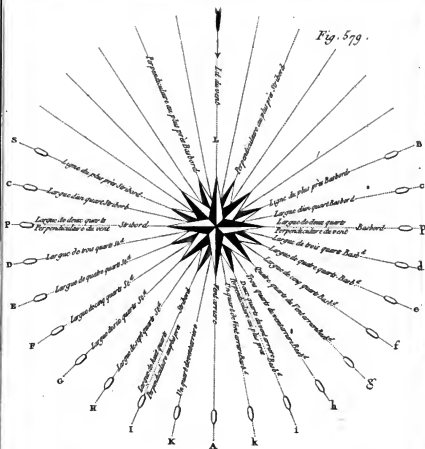


Fig. 580. E. 7.

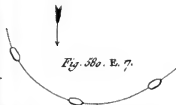
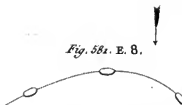
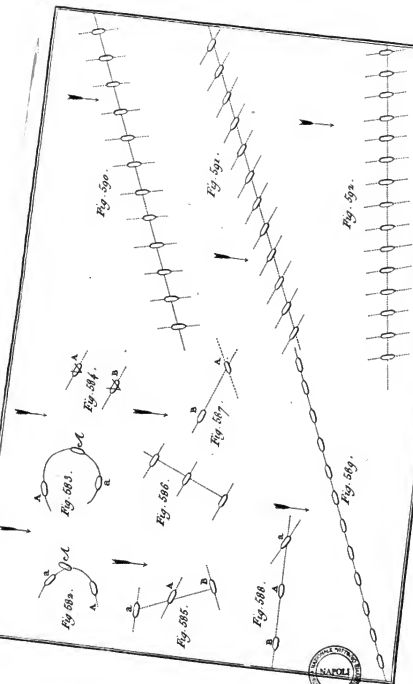
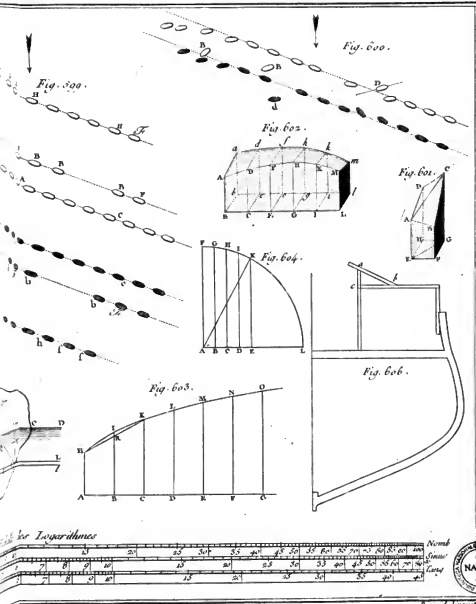


Fig. 581. E. 8.



Marine.





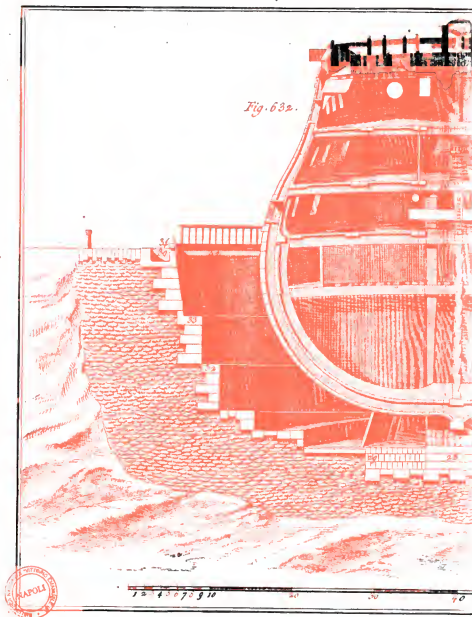
Marine.

Board of Survey

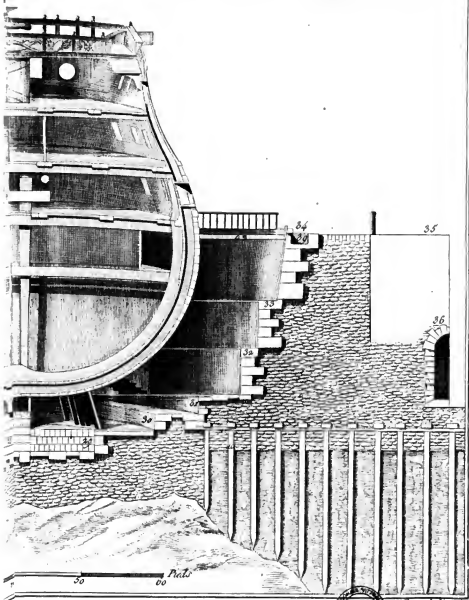




Fig. 632.



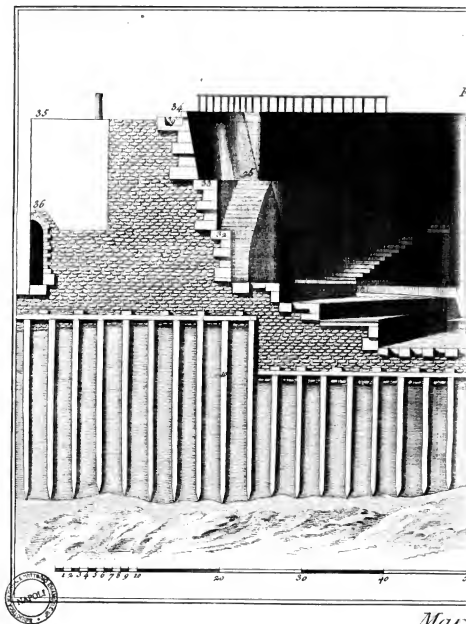
Mat



Machine

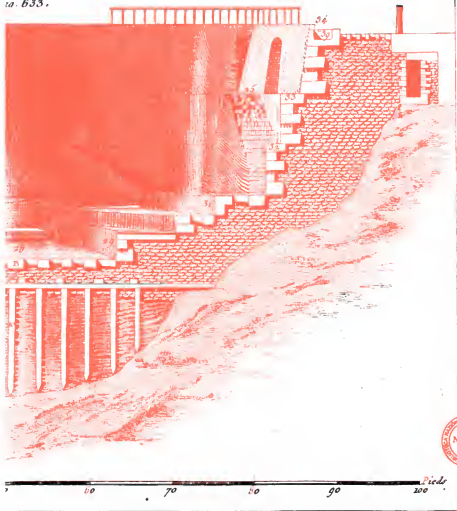


Benard del.



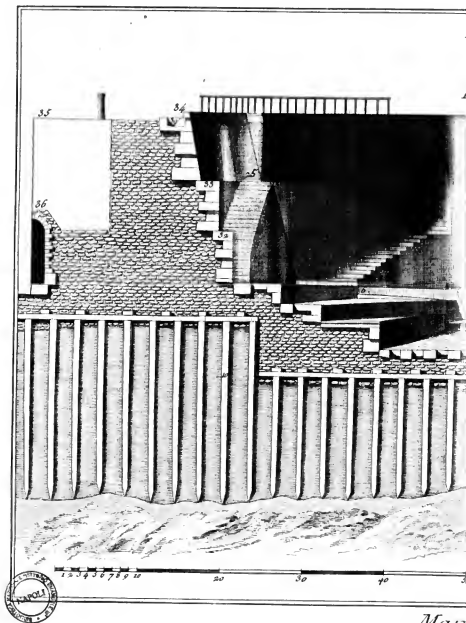
Mar

no. 633.



line 2.

Richard Greave

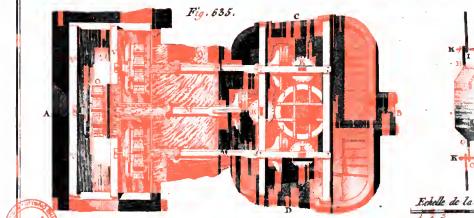
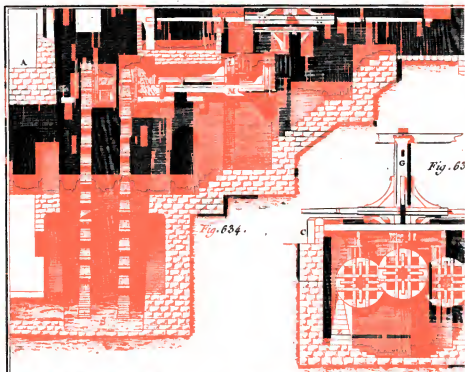


Mar

133.



line 2.



Marine, Plan, Profil et Élévation de la Machine à Ch



Fig. 636.



Fig. 638.

la Figure 638.

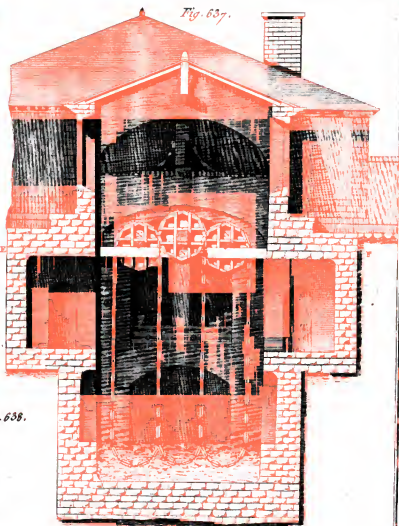


Fig. 637.

Echelle des Fig. 634 à 637 comprise.



apelets, qui sert à épuiser les Eaux des Formes de Rochefort.



Escala de 40 Pieds.

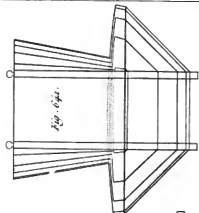


Fig. 644.

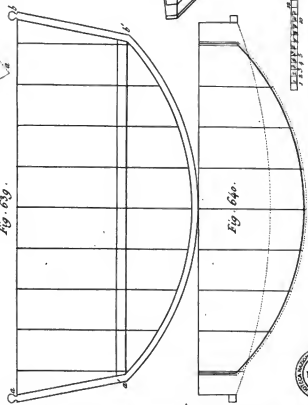


Fig. 639.

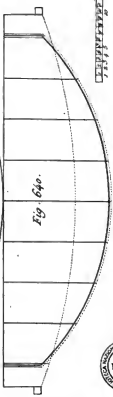


Fig. 640.



Fig. 643.

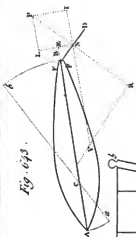


Fig. 643.



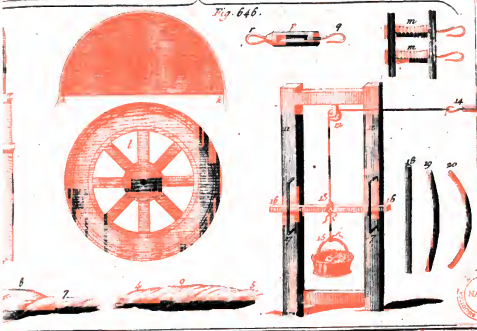
Fig.
645



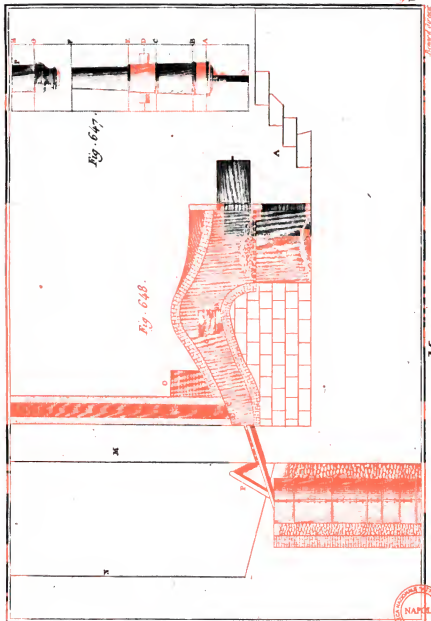
Mar



Fig. 646.



farine



Marine.



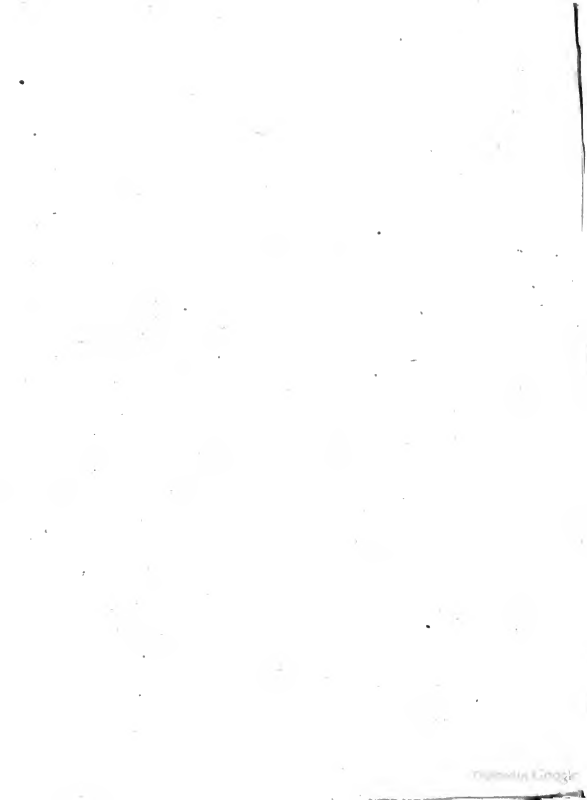


Fig. 649.

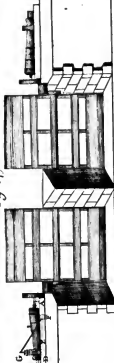


Fig. 651.



Fig. 652.



Fig. 653.



Fig. 654.



Fig. 655.



Fig. 656.



Fig. 657.



Fig. 658.

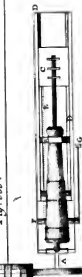


Fig. 659.



Fig. 660.



Fig. 661.



Fig. 662.



Fig. 663.



Fig. 664.



Fig. 665.



Fig. 666.



Fig. 667.



Fig. 668.



Fig. 669.



Fig. 670.



Fig. 671.



Fig. 672.



Fig. 673.



Fig. 674.



Fig. 675.



Fig. 676.



Fig. 677.



Fig. 678.



Fig. 679.



Fig. 680.



Fig. 681.



Fig. 682.



Fig. 683.



Fig. 684.



Fig. 685.



Fig. 686.



Fig. 687.



Fig. 688.



Fig. 689.



Fig. 690.



Fig. 691.



Fig. 692.



Fig. 693.



Fig. 694.



Fig. 695.



Fig. 696.



Fig. 697.



Fig. 698.



Fig. 699.



Fig. 700.



Fig. 701.



Fig. 702.



Fig. 703.



Fig. 704.



Fig. 705.



Fig. 706.



Fig. 707.



Fig. 708.



Fig. 709.



Fig. 710.



Fig. 711.



Fig. 712.



Fig. 713.



Fig. 714.



Fig. 715.



Fig. 716.



Fig. 717.



Fig. 718.



Fig. 719.



Fig. 720.



Fig. 721.



Fig. 722.



Fig. 723.



Fig. 724.



Fig. 725.



Fig. 726.



Fig. 727.



Fig. 728.



Fig. 729.



Fig. 730.



Fig. 731.



Fig. 732.



Fig. 733.



Fig. 734.



Fig. 735.



Fig. 736.



Fig. 737.



Fig. 738.



Fig. 739.



Fig. 740.



Fig. 741.



Fig. 742.



Fig. 743.



Fig. 744.



Fig. 745.



Fig. 746.



Fig. 747.



Fig. 748.



Fig. 749.



Fig. 750.



Fig. 751.



Fig. 752.



Fig. 753.



Fig. 754.



Fig. 755.



Fig. 756.



Fig. 757.



Fig. 758.



Fig. 759.



Fig. 760.



Fig. 761.

Fig. 661.

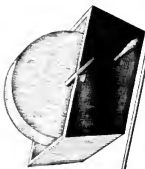
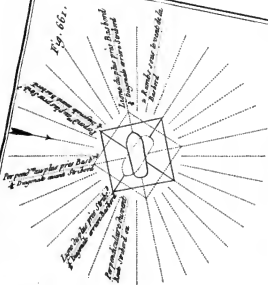


Fig. 659.

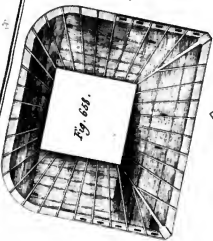


Fig. 663.

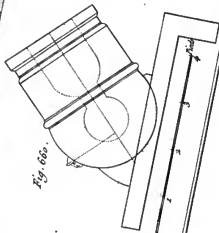
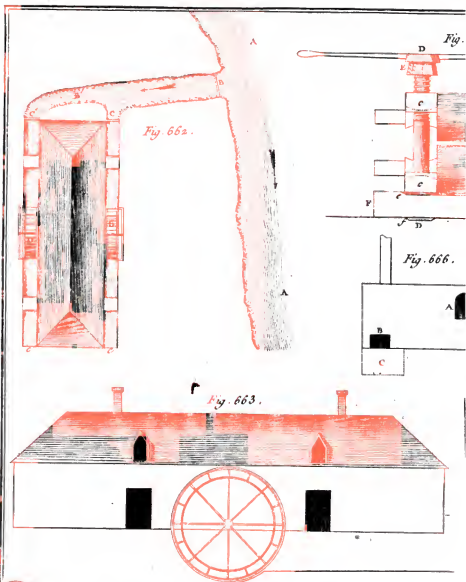


Fig. 660.





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Fig. 664.

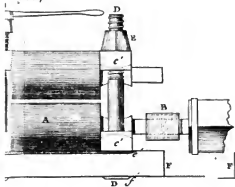


Fig. 665.

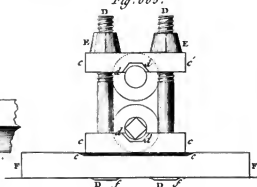


Fig. 667.

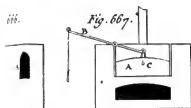


Fig. 668.

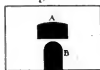


Fig. 669.

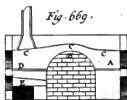


Fig. 672.

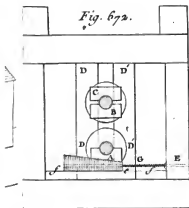


Fig. 673.

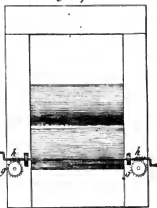


Fig. 670.

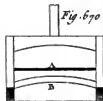
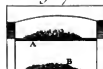
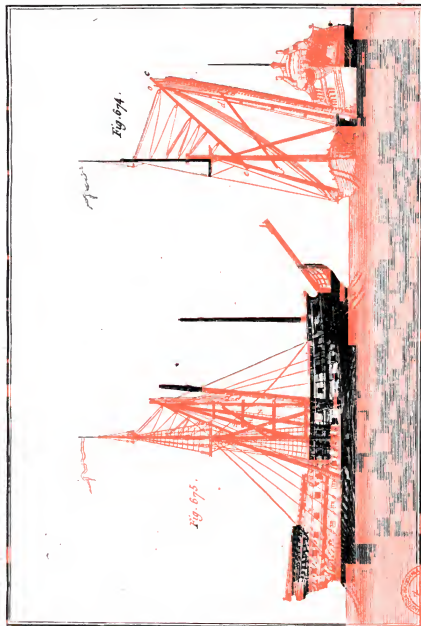


Fig. 671.

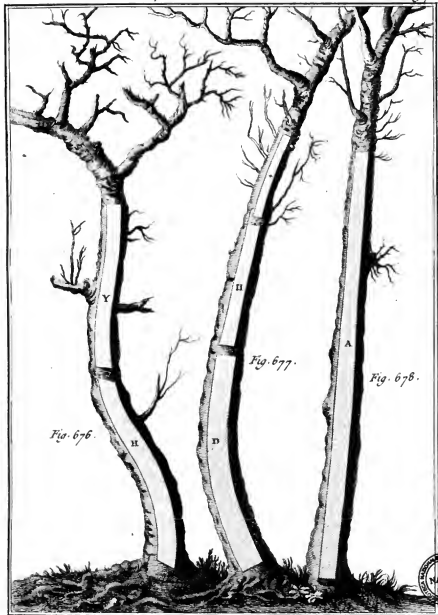




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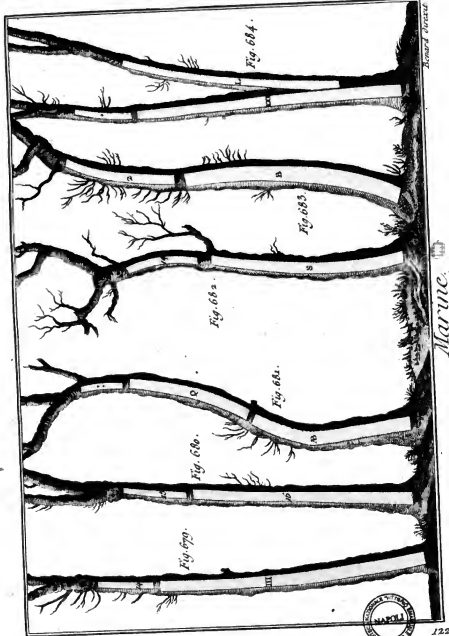


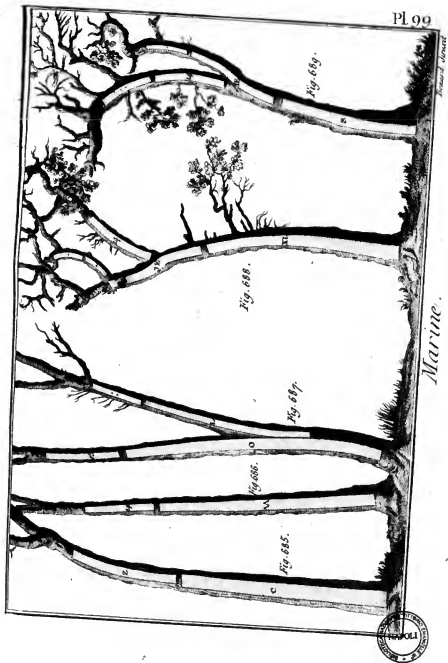


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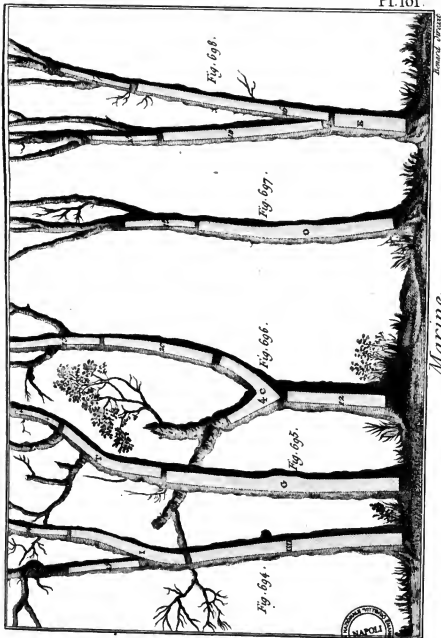


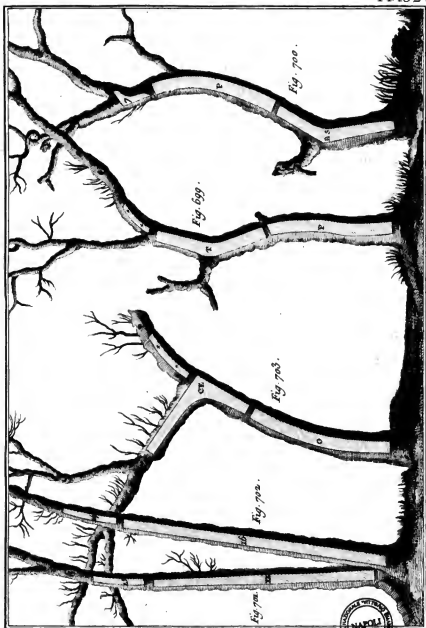




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David B. 1844

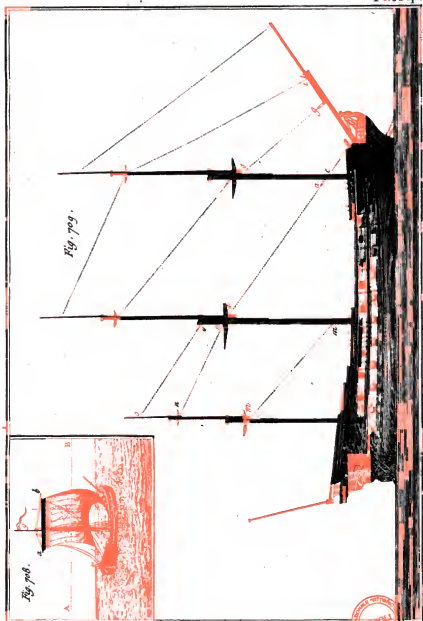
Marine





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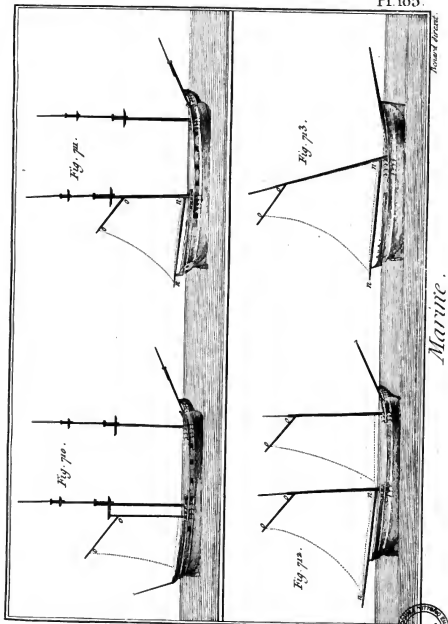
Howard Street

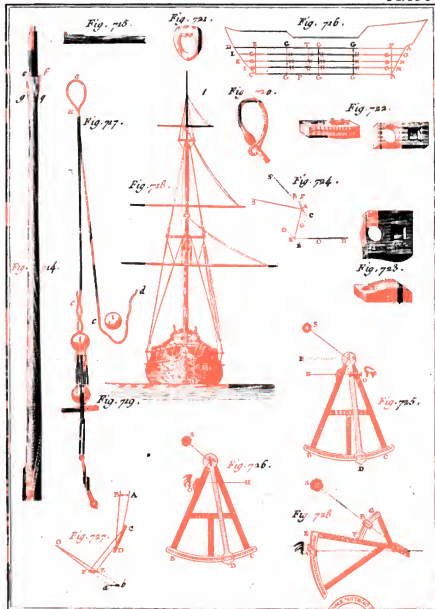


Forward View

Marine.



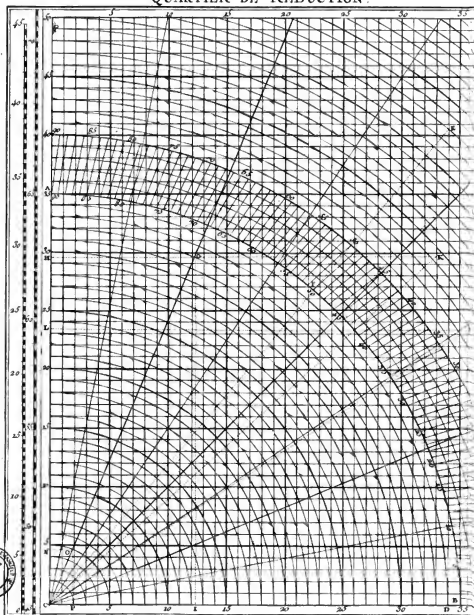




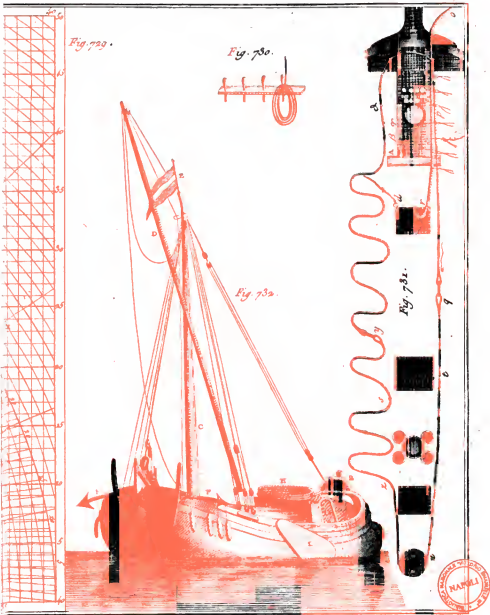
Marine.



QUARTIER DE REDUCTION.

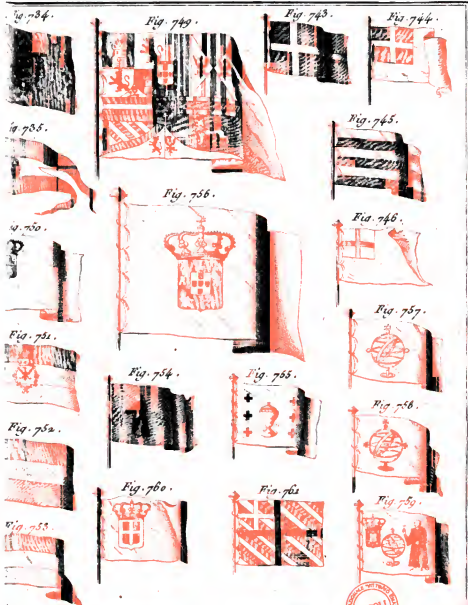


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Fig. 762.



Fig. 763.



Fig. 764.



Fig. 767.



Fig. 768.



Fig. 771.



Fig. 772.



Fig. 765.

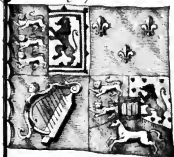


Fig. 774.



Fig. 775.



Fig. 777.



Fig. 778.



Fig. 766.



Fig. 780.



Fig. 782.



Fig. 782.



Fig. 783.



Marv

Fig. 769.



Fig. 784.



Fig. 785.



Fig. 770.



Fig. 786.



Fig. 793.



Fig. 787.



Fig. 773.



Fig. 776.



Fig. 788.



Fig. 794.



Fig. 789.



Fig. 779.



Fig. 795.



Fig. 792.



Fig. 791.



Fig. 790.



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Fig. 796.



Fig. 797.



Fig. 802.



Fig. 799.



Fig. 800.



Fig. 803.



Fig. 804.



Fig. 815.



Fig. 806.



Fig. 807.



Fig. 820.



Fig. 809.



Fig. 810.



Fig. 811.



Fig. 812.



Fig. 813.



Fig. 816.



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Fig. 798.



Fig. 824.

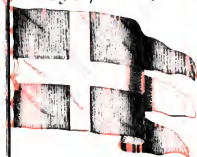


Fig. 828.



Fig. 802.



Fig. 829.



Fig. 805.



Fig. 823.



Fig. 821.



Fig. 808.



Fig. 822.



Fig. 814.



Fig. 823.



Fig. 825.



Fig. 826.



Fig. 827.



Fig. 829.



Fig. 830.



Fig. 817.



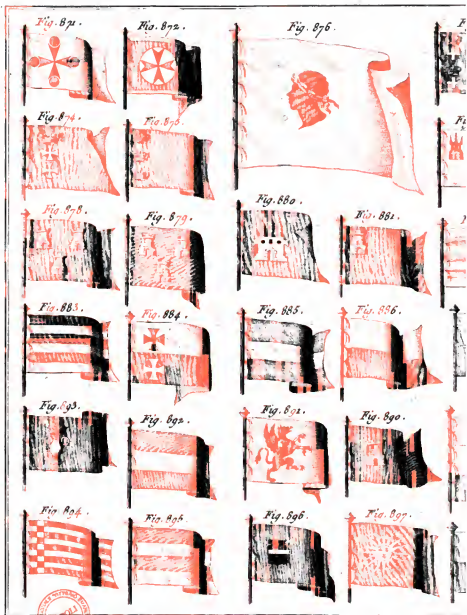
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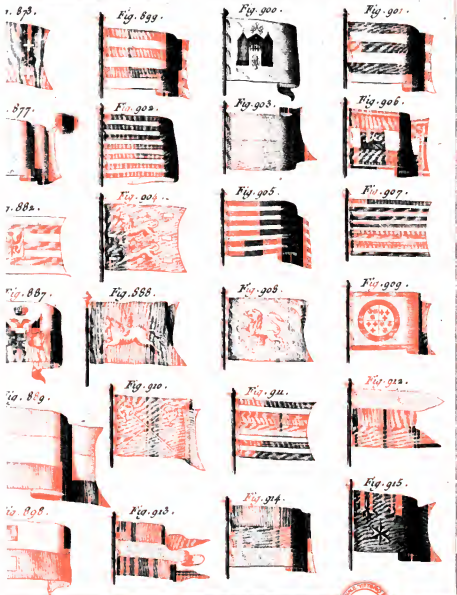
Mar



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Bibliothèque Muséum

Fig. 916.



Fig. 917.



Fig. 923.



Fig. 919.



Fig. 920.



Fig. 922.



Fig. 924.



Fig. 939.

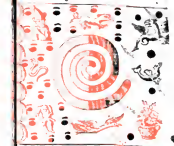


Fig. 926.



Fig. 927.



Fig. 929.



Fig. 930.



Fig. 931.



Fig. 932.



Fig. 934.



Fig. 935.



Fig. 936.



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Fig. 918.



Fig. 919.



Fig. 940.



Fig. 941.



Fig. 921.



Fig. 942.



Fig. 943.



Fig. 944.



Fig. 925.



Fig. 945.



Fig. 946.



Fig. 947.



Fig. 928.



Fig. 948.



Fig. 949.



Fig. 950.



Fig. 933.



Fig. 951.



Fig. 952.



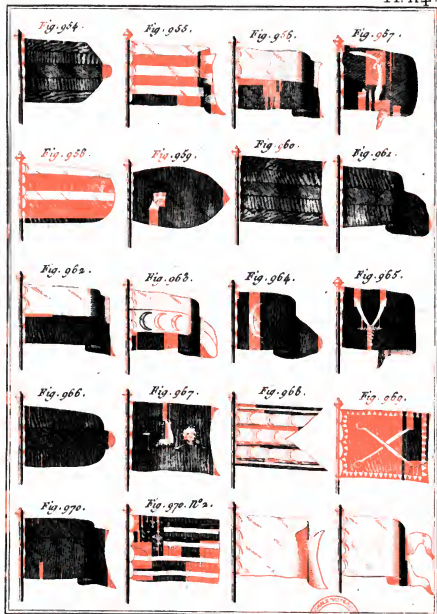
Fig. 953.



Fig. 937.



Invent. et descript.



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Paris, 1810.

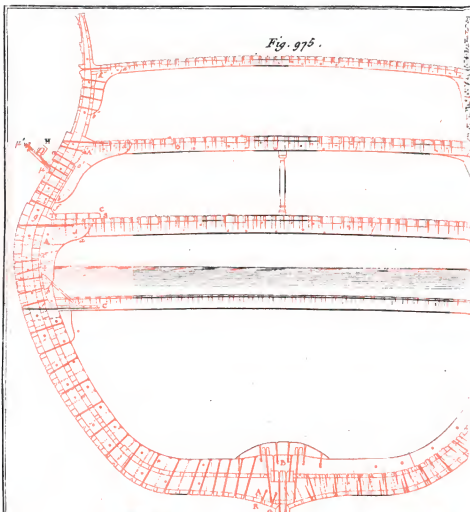


Fig. 975.



Fig. 977.



Fig. 976.



Fig. 980.



Fig. 978.



Fig. 979.



Fig. 982.



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Fig. 986.



Fig. 985.

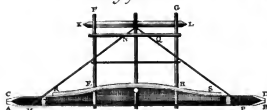


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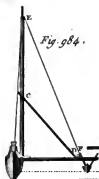


Fig. 983.



Fig. 981.



Echelle des Fig. 983, 984, et 985.



Benard invent.

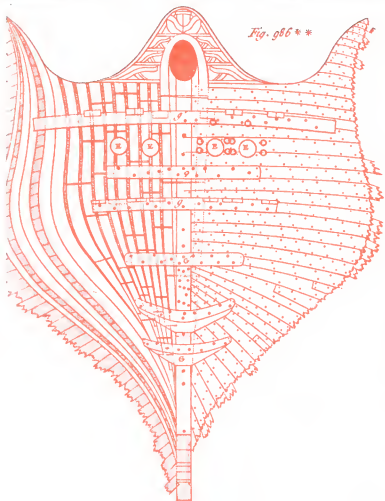


Fig. 986 *

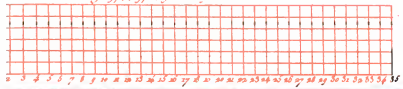


Mam

Fig. 966 **



Echelle des Fig. 974, 975, 966 et 966 **



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Invent. di. v. d. d. d.

135 bis

Fig. 987.



Fig. 988.

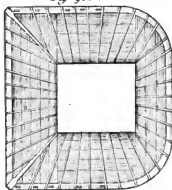


Fig. 989.

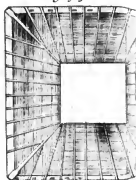
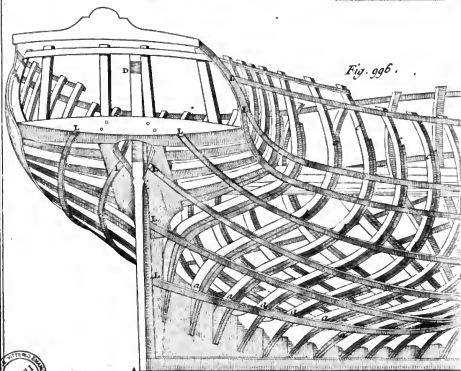
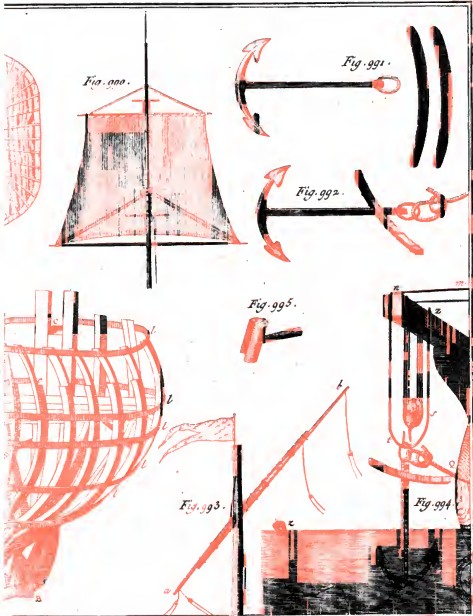


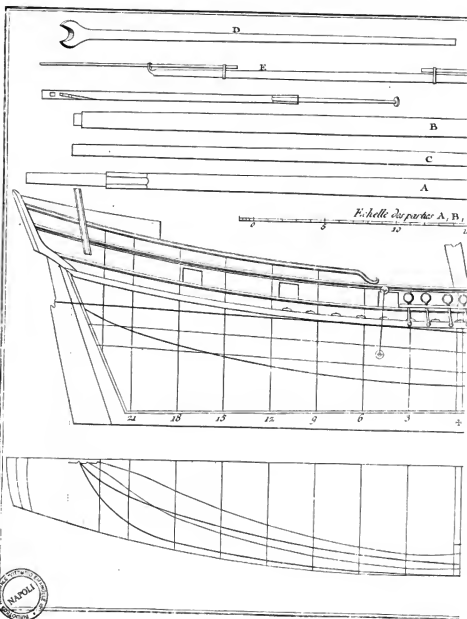
Fig. 996.



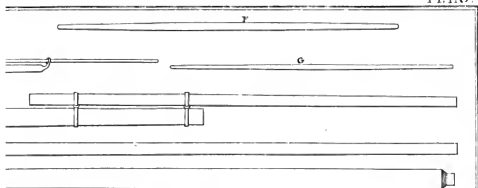


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Bonard Stravé



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C, D, E, F, G de la Fig. 907.

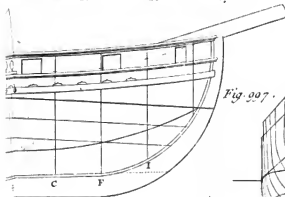
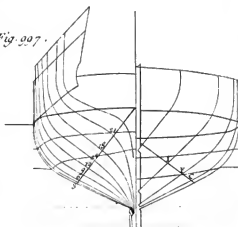


Fig. 907.



Echelle de la Fig. 907.

0 5 10 15 20 Pieds

vine.



Bernard Torac

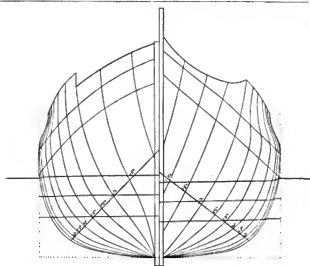
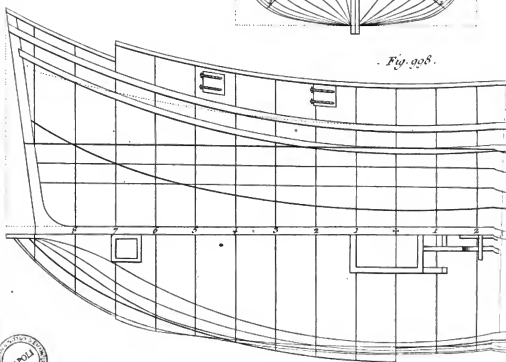
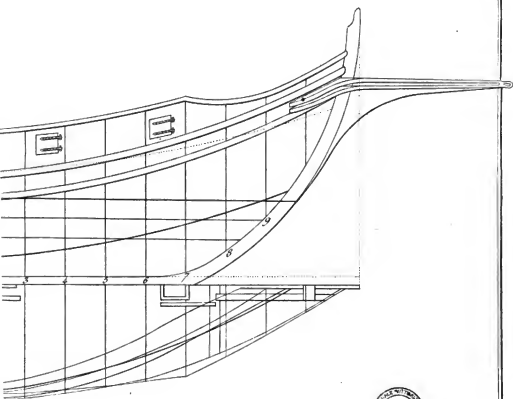
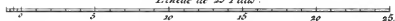


Fig. 908.



Marne

Echelle de 25 Pies.*A. Moreau del.*



Echelle de 50 Pieds.

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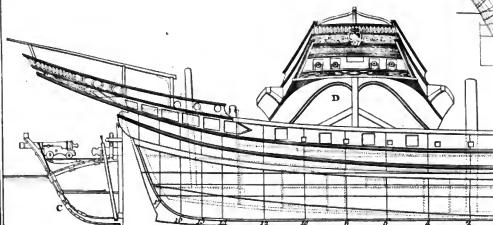
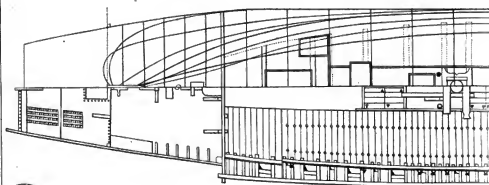
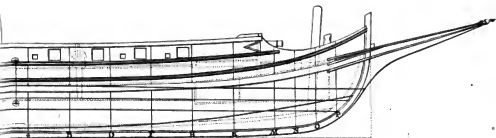
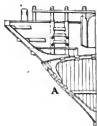
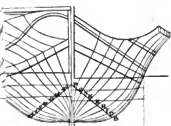


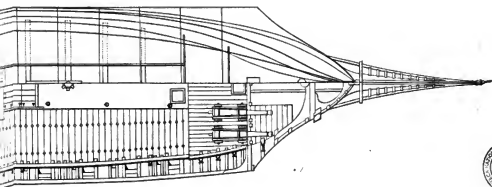
Fig. 94



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99.

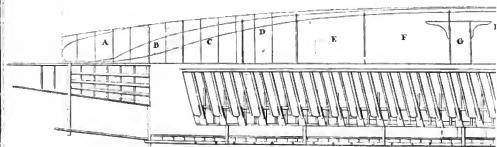
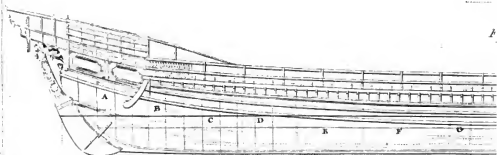


Marine.

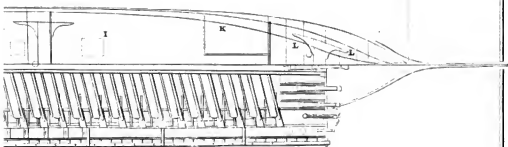
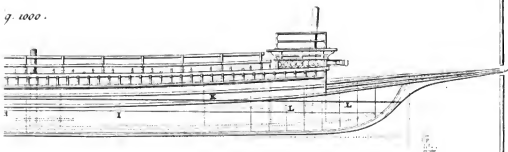
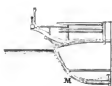
Bernard Durrant

Echelle de soixante Pieds.

10 15 20 25 30 35 40 45 50 55 60



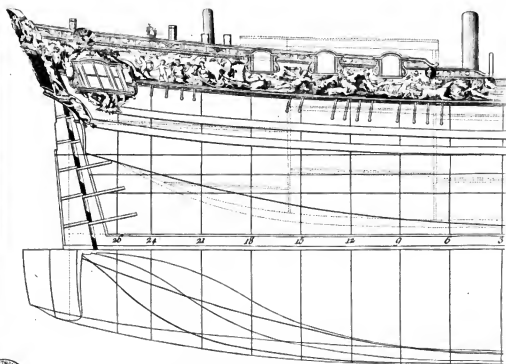
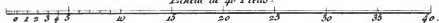
Mar



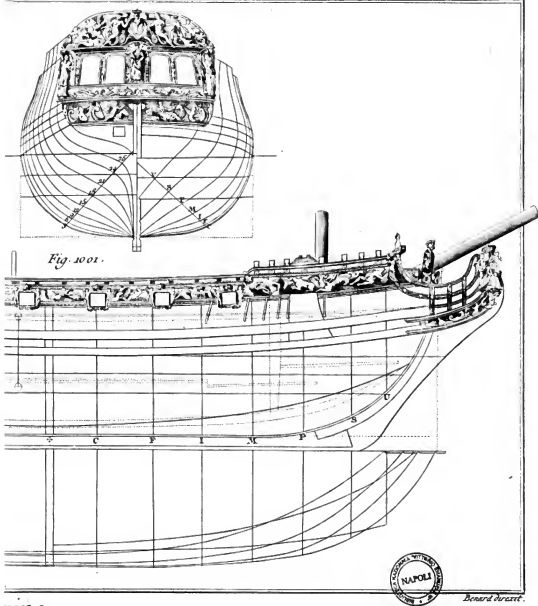
Richard Jurek



Echelle de 40 Pieds.



Ma.



Echelle de 15 Pieds.

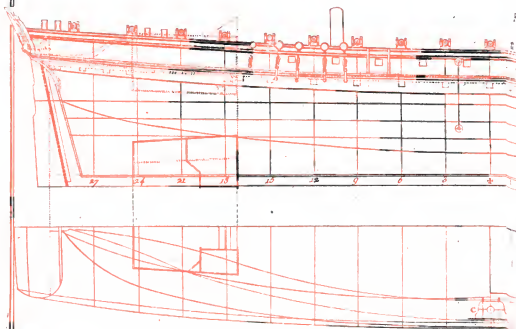
$x = 3 \quad 4 \quad 5 \quad 10 \quad 15$

Marine.



Echelle de 40 Pieds.

0 5 10 15 20 25 30 35 40.



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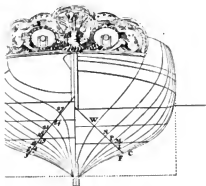
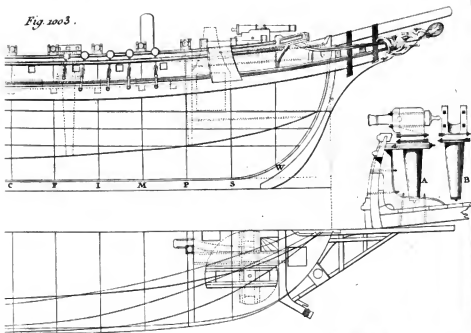
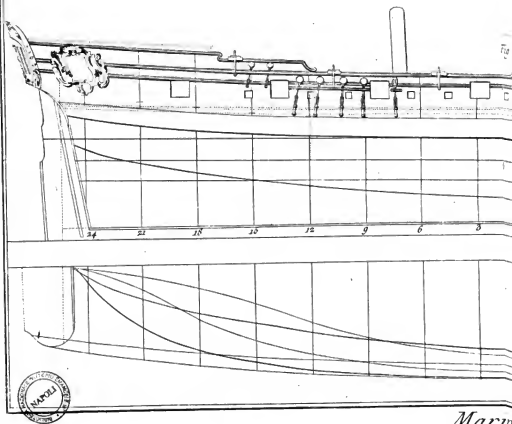
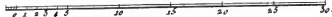


Fig. 1003.

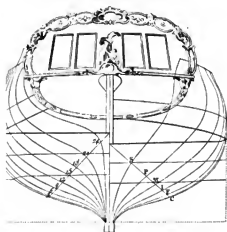


Benard & C.

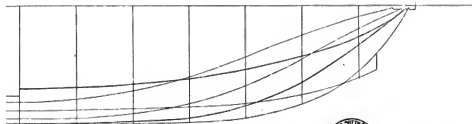
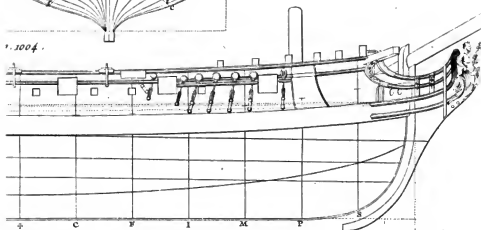
Echelle de trente Pieds.



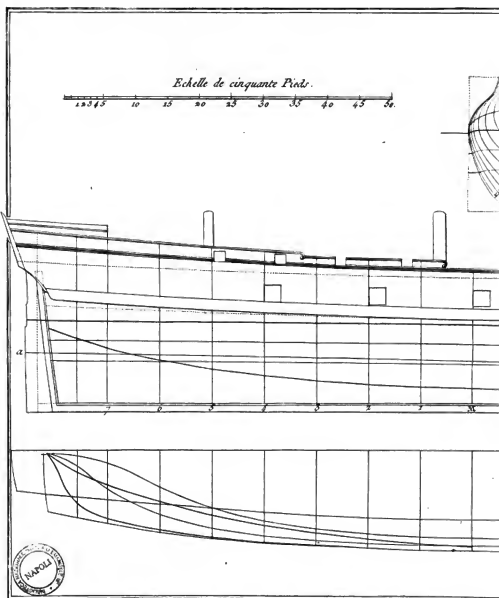
Marin



1. 1004.



Richard Durand.



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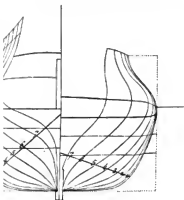
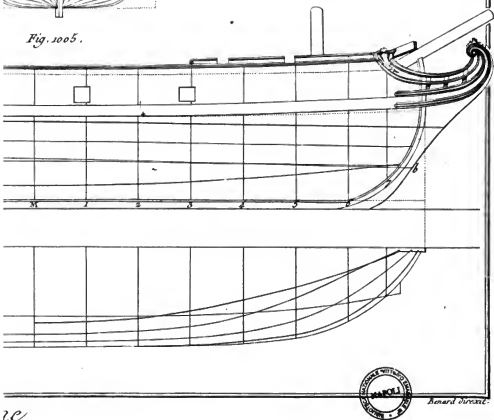


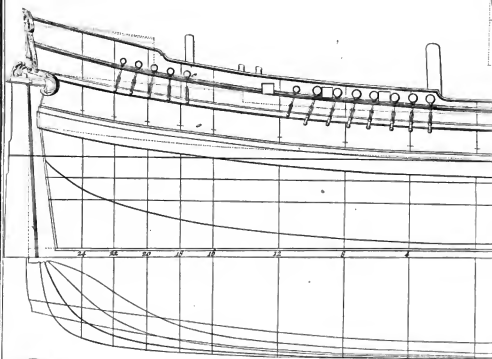
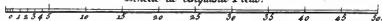
Fig. 1005.



Bernard Vincent.

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Echelle de cinquante Pieds.



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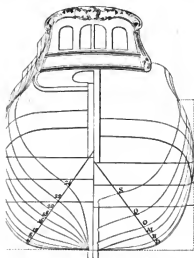
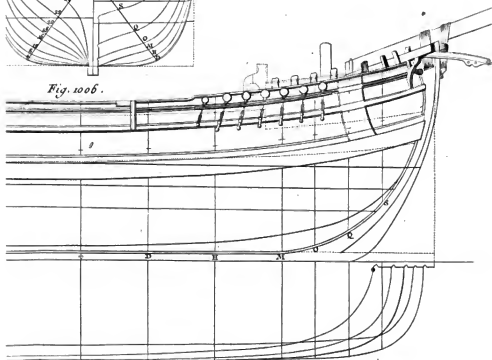
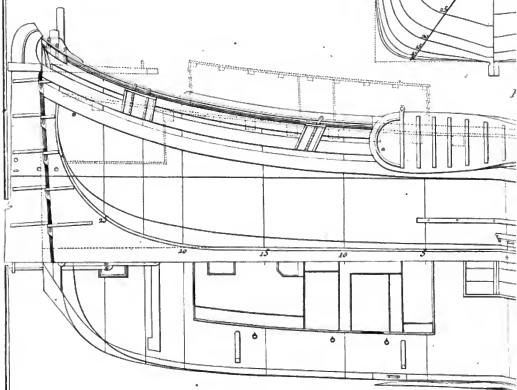
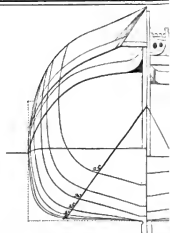


Fig. 1006.

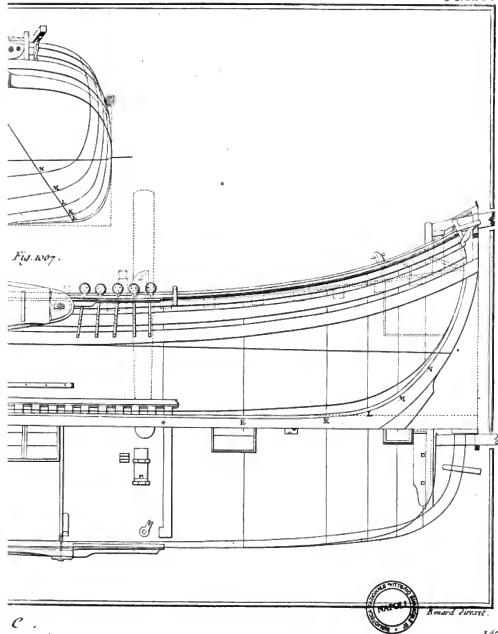


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Echelle de 25 Pieds.

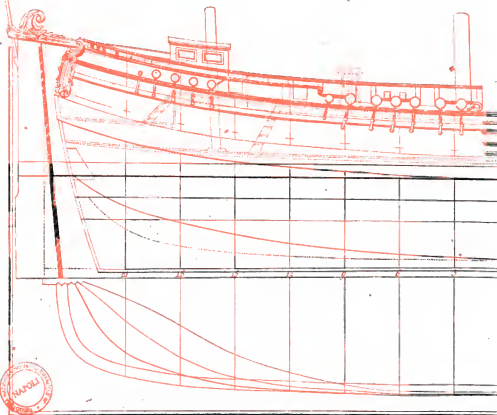


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Echelle de cinquante Pieds.

0 5 10 15 20 25 30 35 40 45 50



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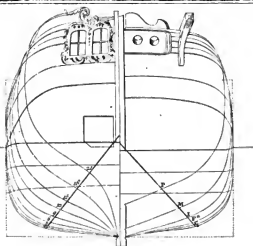
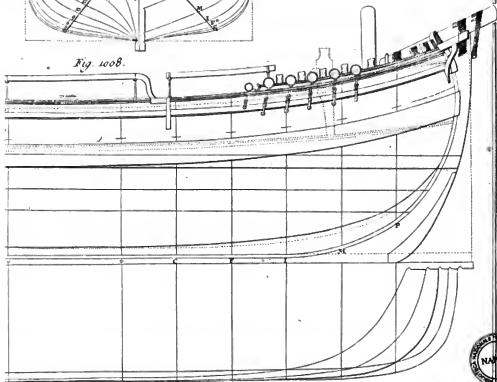


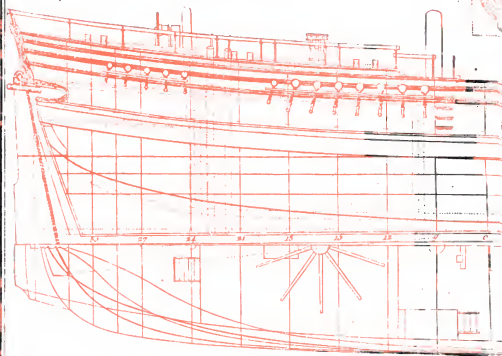
Fig. 1008.



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Echelle de cinquante Pieds.



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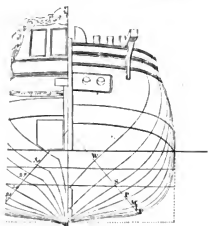
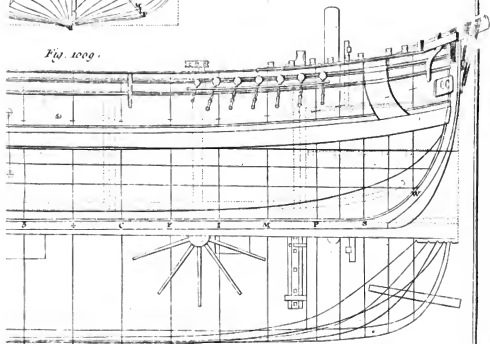


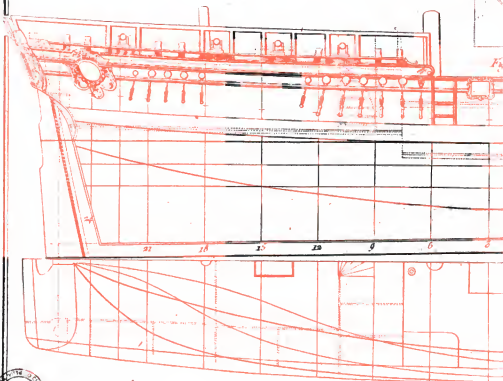
Fig. 1009.



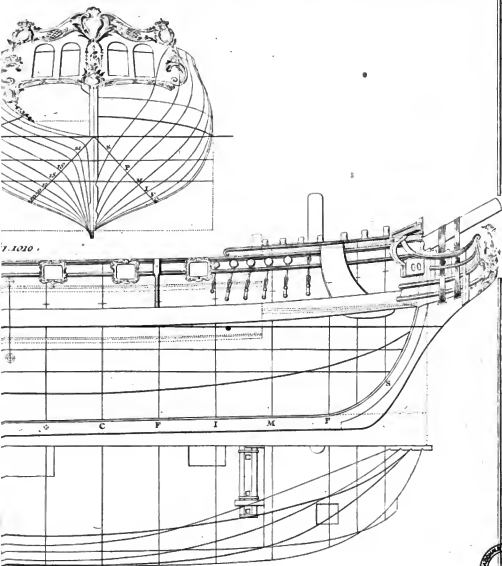
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Echelle de trente Pieds .



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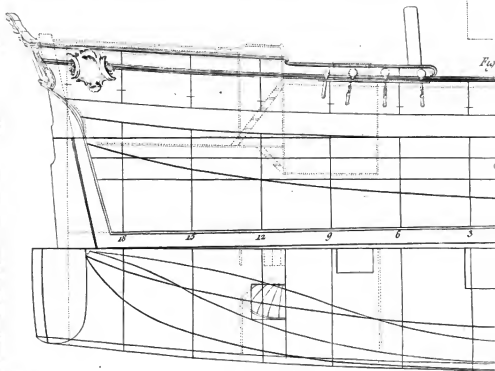
ine.

Amard vireux.

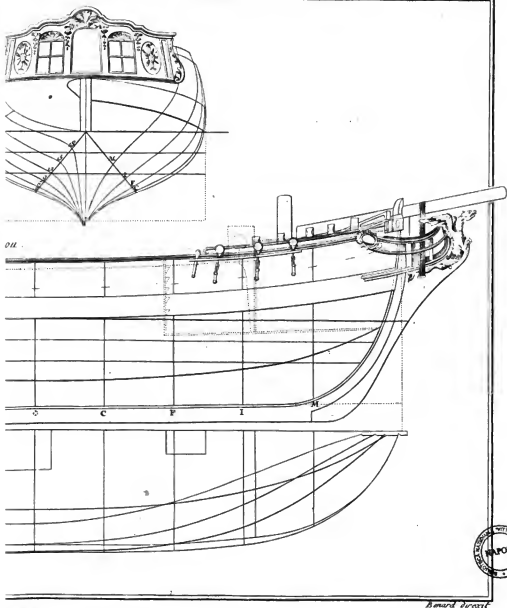
150.



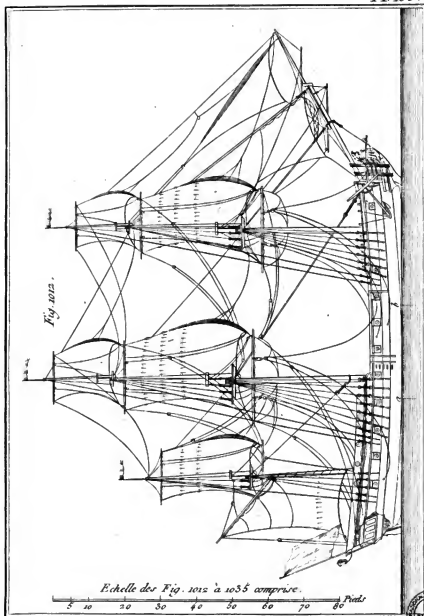
Echelle de vingt cinq Pieds .

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B. de la Haye



Donard Dorville

Marine.

Echelle des Fig. 1012 à 1035 comprise.

5 10 20 30 40 50 60 70 80 Pieds



Standard View

Marine.

Fig. 1013.

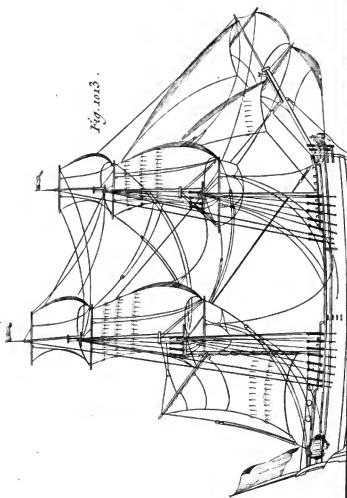
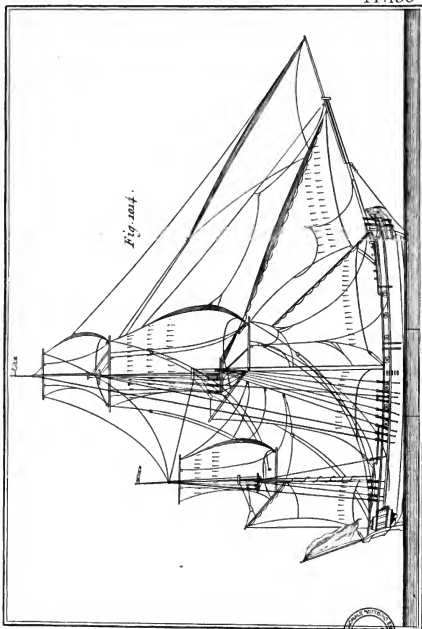


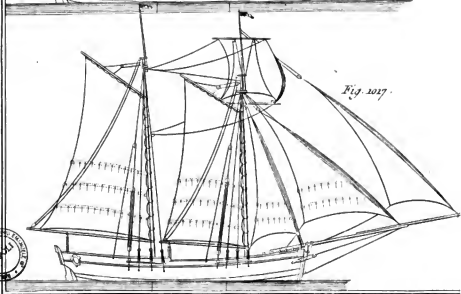
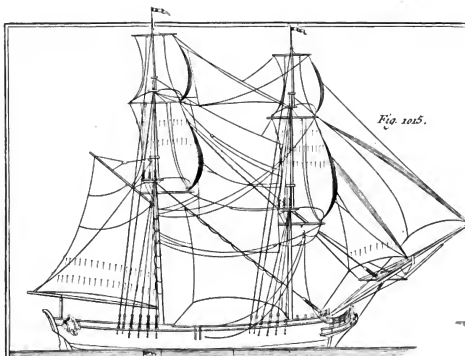
Fig. 1014.



Howard Street

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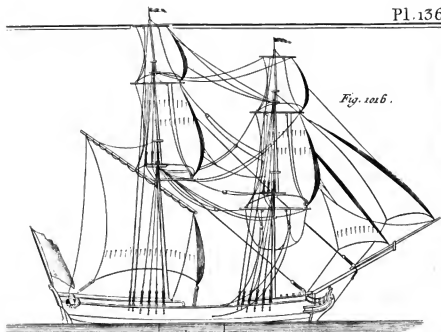


Fig. 1016.

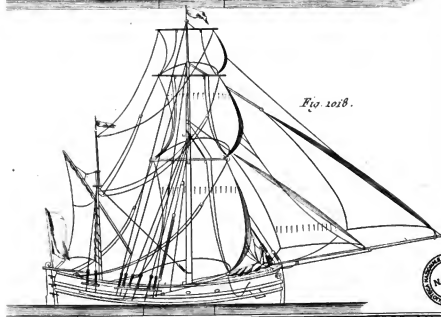
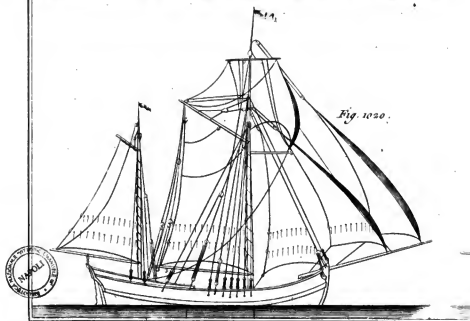
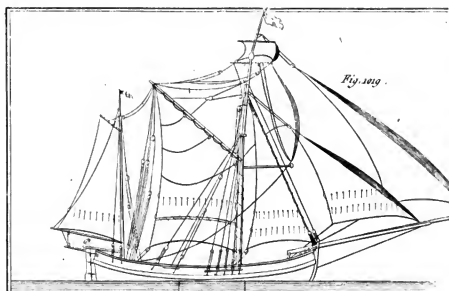


Fig. 1018.



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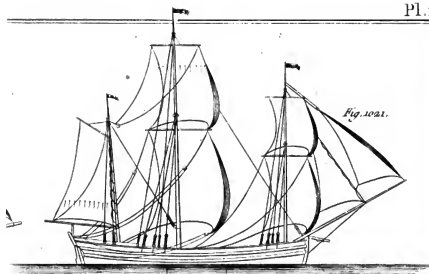


Fig. 1021.

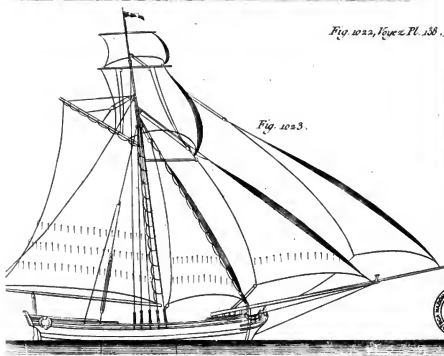


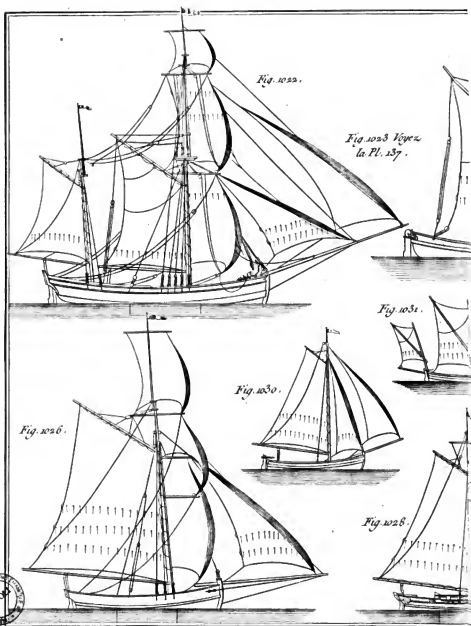
Fig. 1022, Voyez Pl. 138.

Fig. 1023.

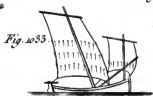
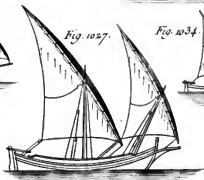
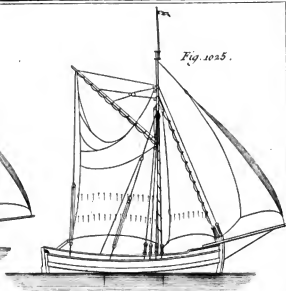
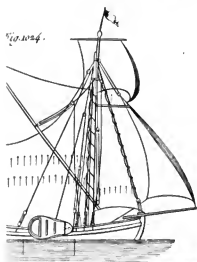


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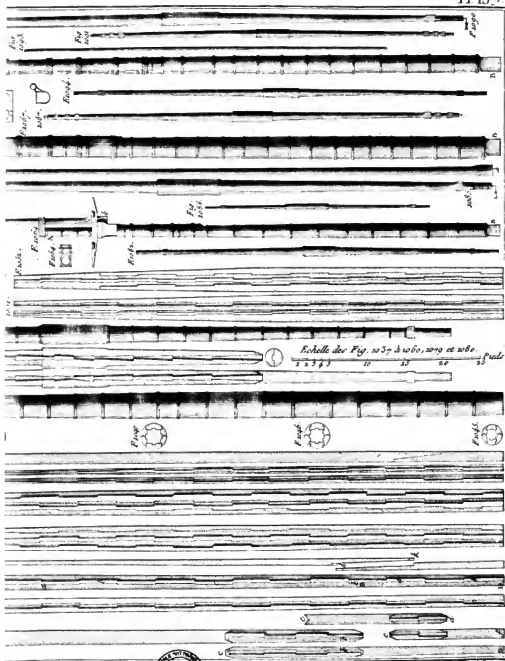
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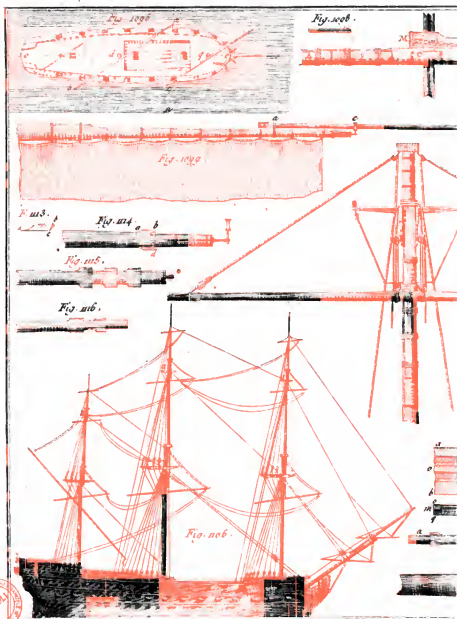


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Fig. 1097.



Fig. 109.



Fig. 100.

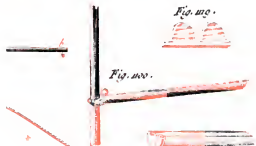


Fig. 120.



Fig. 121.



Fig. 101.



Fig. 102.



Fig. 103.



Fig. 105.



Fig. 104.



Fig. 106.



Fig. 109.



Fig. 110.

Fig. 107.



Fig. 108.



Fig. 109.



Fig. 110.

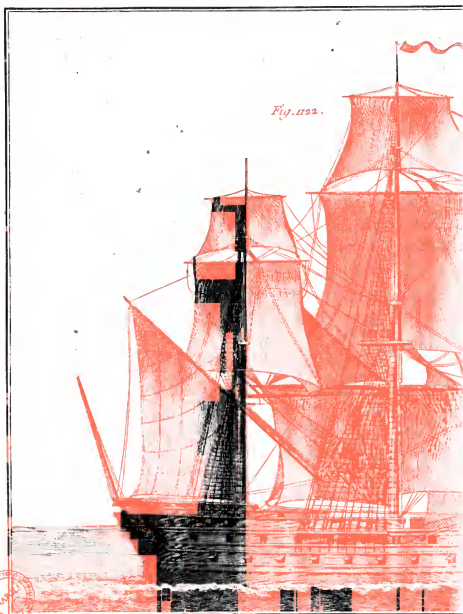


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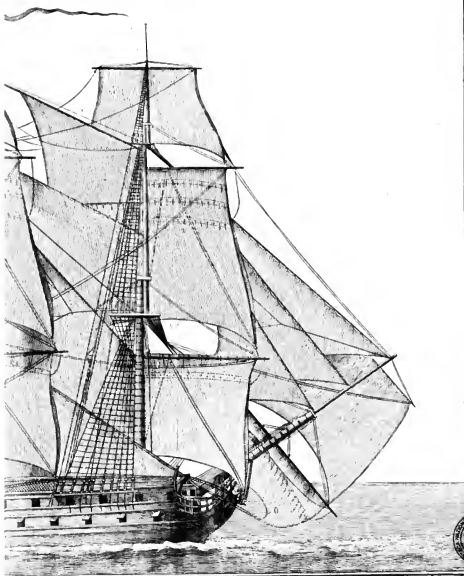


Howard Street.

Fig. 122.



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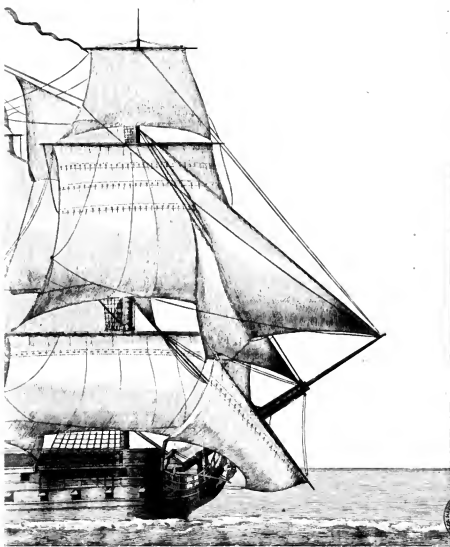
158.

ine.

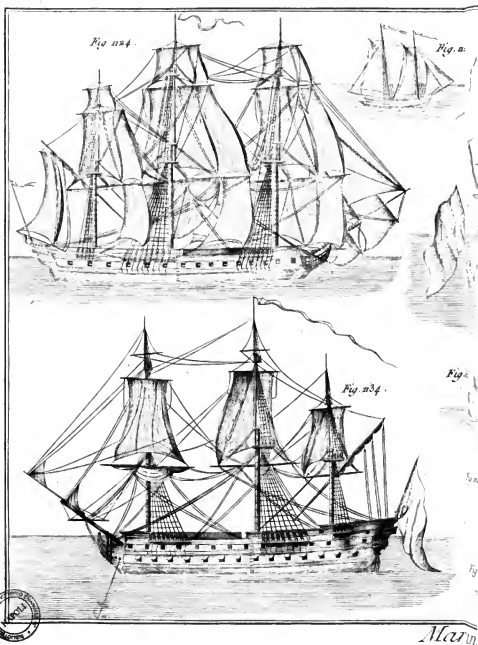


Mari

Fig. 123.



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1126. 1127.

Fig. n38.



Fig. n43.



Fig. n42.



Fig. n39.



Fig. n41.



Fig. n40.



Fig. n37.



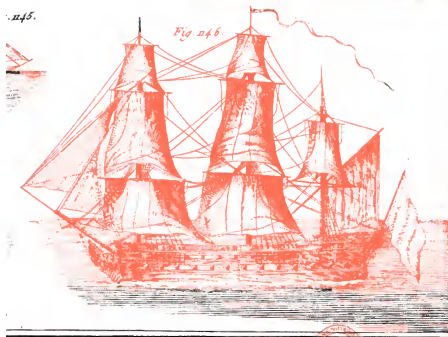
Fig. n47.



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Fig. 246.



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Fig. 149.

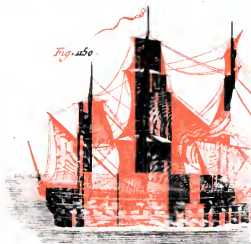


Fig. 150.



Fig. 151.

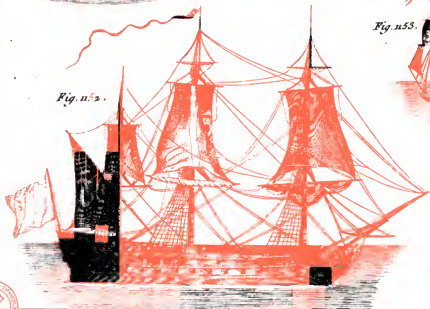


Fig. 152.

Fig. 153.



Ma.

Fig. n. 59.



Fig. n. 60.



Fig. n. 56.



Fig. n. 57.



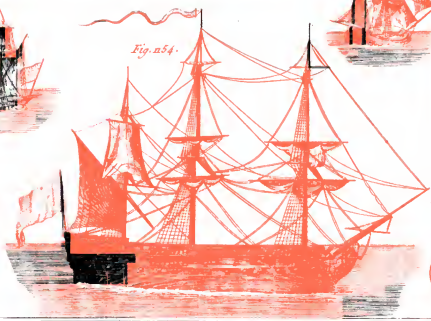
Fig. n. 58.



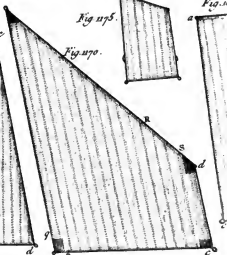
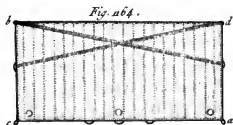
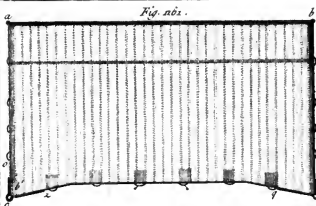
Fig. n. 55.



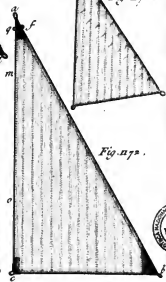
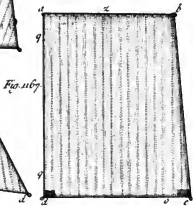
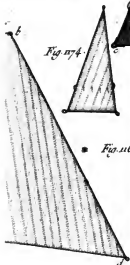
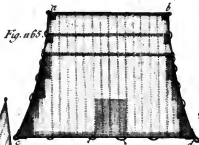
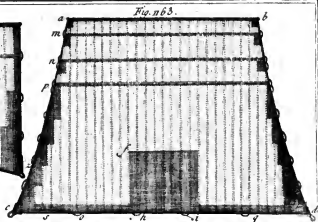
Fig. n. 54.



Benard, Girard



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Bernard direxit.



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Fig. 1198.



Fig. 1196.



Fig. 1199.



Fig. 1196.



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Fig. 1185.



Fig. 1197.



Fig. 1189.



Fig. 1194.

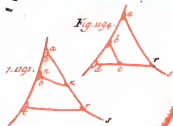


Fig. 1202.



Fig. 1203.



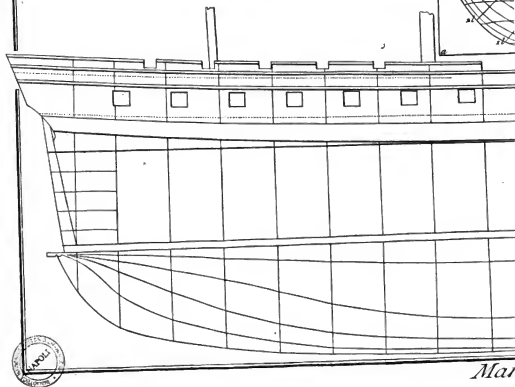
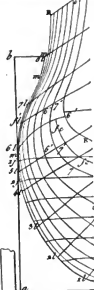
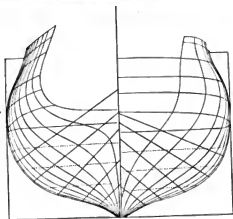
Fig. 1204.



Fig. 1205.



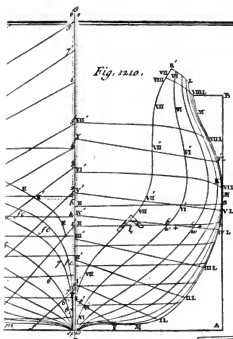
Fig. 1206.



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Fig. 1210.



Echelle des Fig. 1206, 1207, 1208, et 1209.

Pieds

Pour l'Echelle de la Fig. 1210 Voyez la Pl. 151.

Fig. 1209, Voyez la Pl. 149.

Fig. 1207.

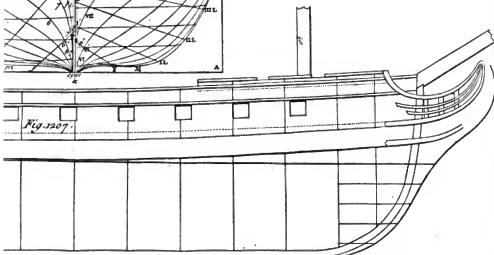
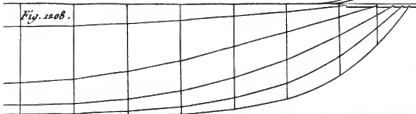
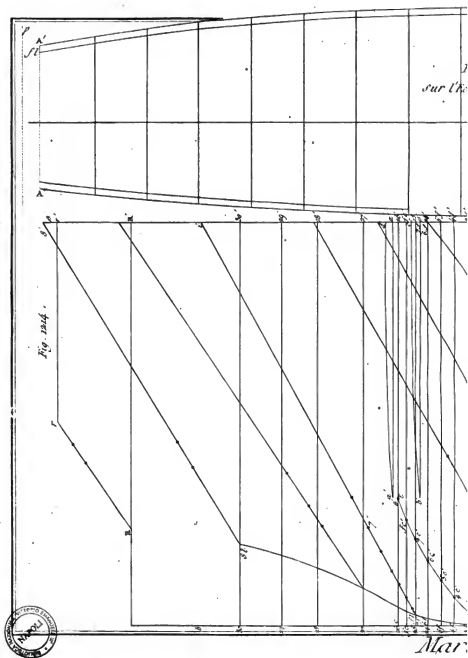


Fig. 1208.



Bureau de l'Armée.





g. 1212.

elle de la Pl. 148.

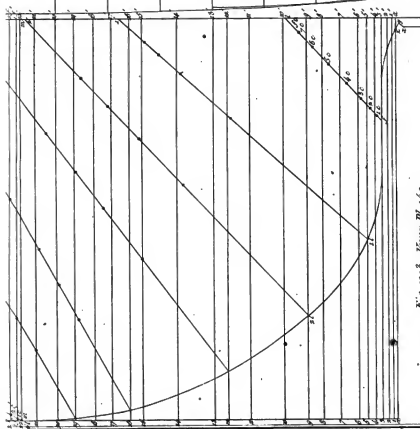


Fig. 1212, Voyez Pl. 149.



Bernard Durrant.

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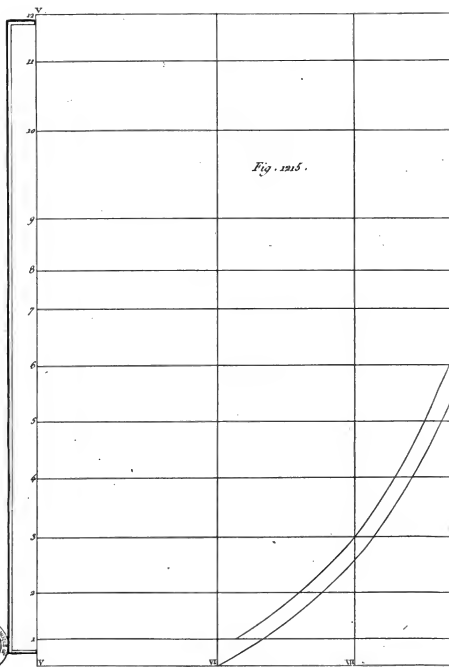


Fig. 1217.

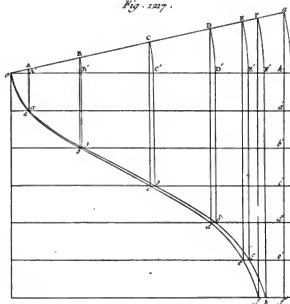


Fig. 1218.

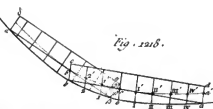
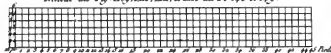


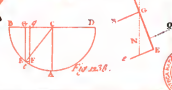
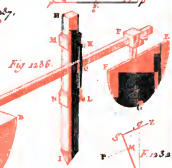
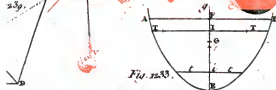
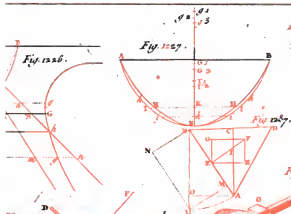
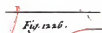
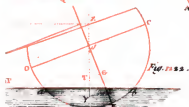
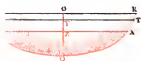
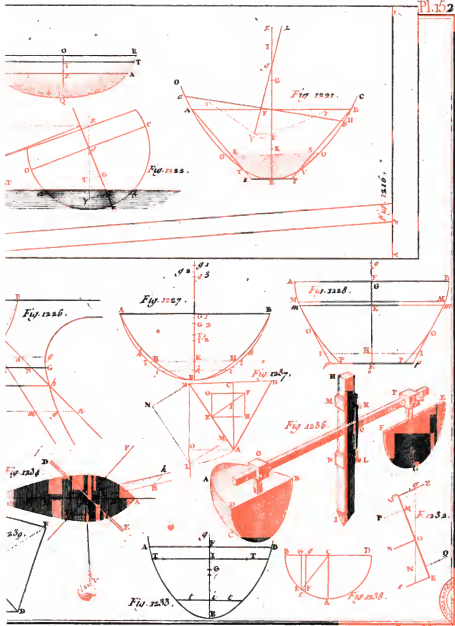
Fig. 1216, Voyez la Pl. 152.

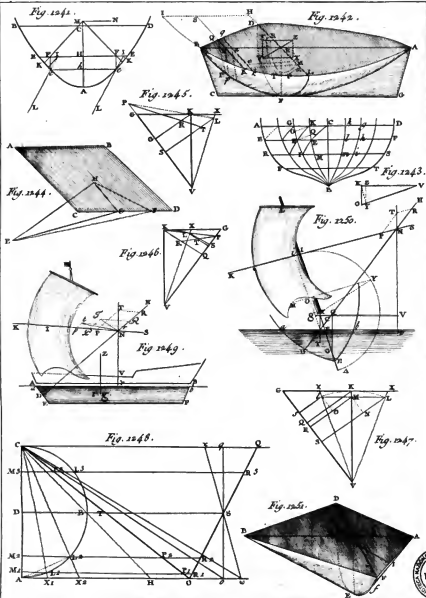
Echelle des Fig. 1209, 1210, 1211, et 1213 des Pl. 148 et 149.



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Renard J. 1821





Marine.

Amard direct



Fig. 1252.



Fig. 1254.

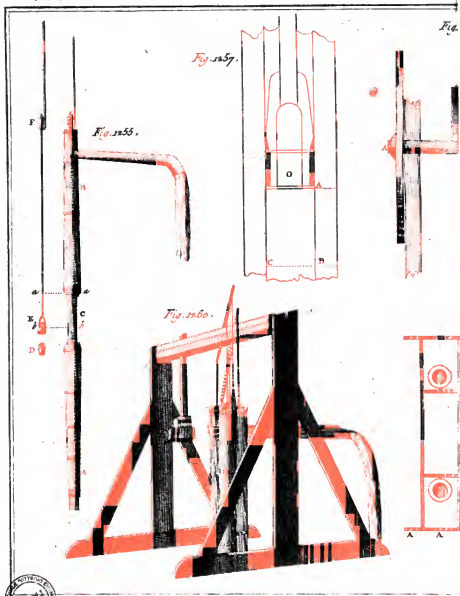


Fig. 1253.



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1261, 1262, et 1263, Voyez Pl. 156.

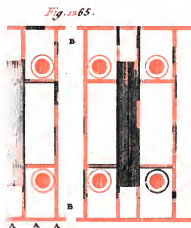
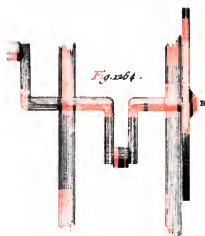


Fig. 1258.

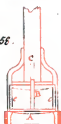
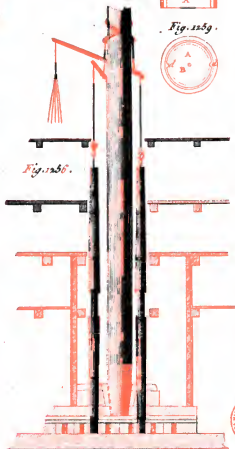


Fig. 1259.



Fig. 1266.



Renard, Struxal

ine.

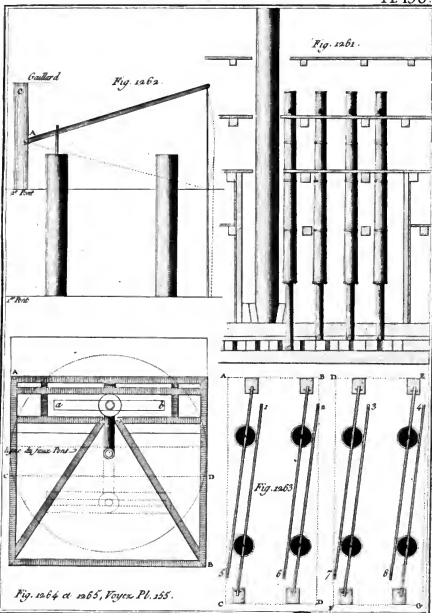


Fig. 1264 & 1265, Voyer Pl. 155.

Marine.



Bouard direct

Fig. 1266.



Fig. 1267.

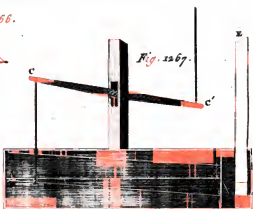


Fig. 1273.



Fig. 1275.



Fig. 1276.



Ma.

Fig. 1271.



Fig. 1268.



Fig. 1269.



Fig. 1272.



Fig. 1270.



Fig. 1270.



Fig. 1279.



Fig. 1277.

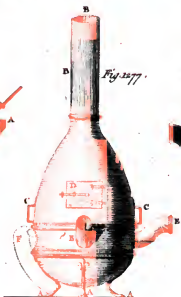
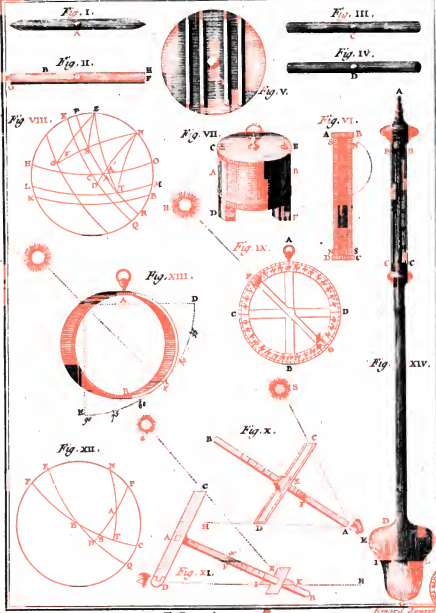


Fig. 1280.



ine.

172 bis

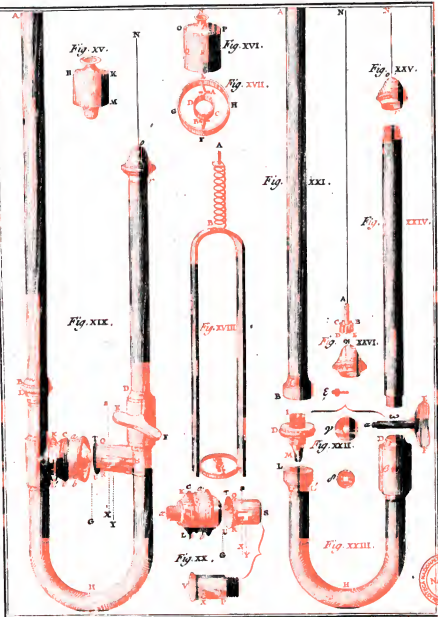


Marine.

Edward J. Ward.







Marine.

Brevet d'invention.

Fig. xxvii n.º 1, Voyez pour plus d'exactitude

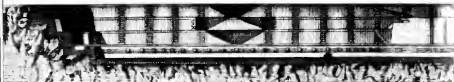
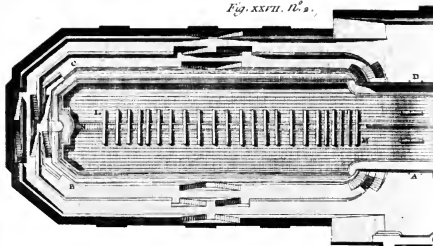


Fig. xxvii. n.º 2.



Echelle de la Forme



Fig. xxvii. n.º 3.

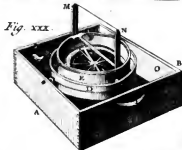
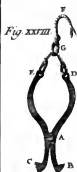
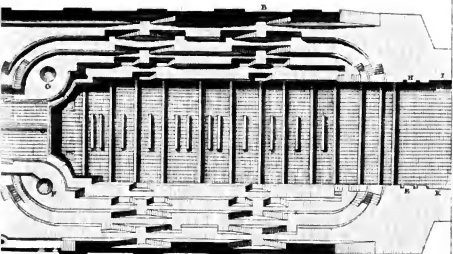


Fig. xxvii

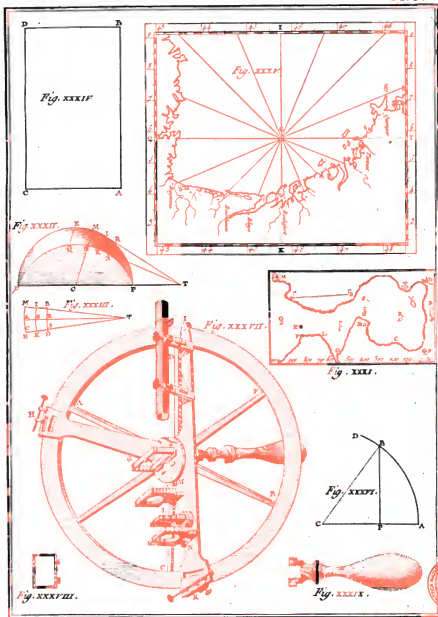


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des Fig. 629 à 633 et particulièrement celle 632.

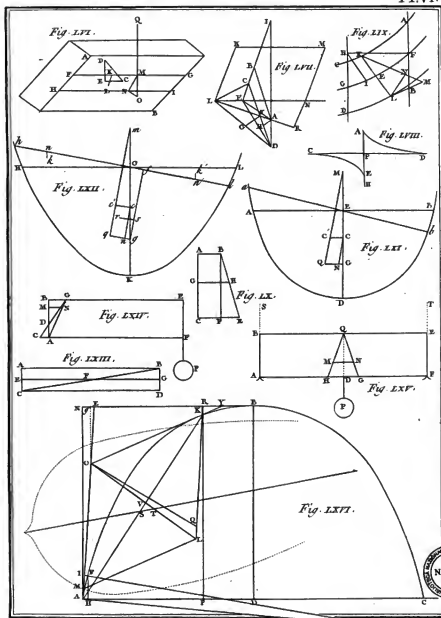


Bernard d'Arce



Marine.

Board used

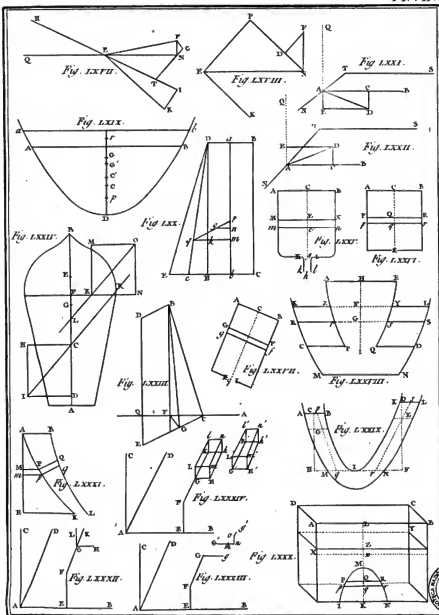


Marine.

Benard & Co. No.

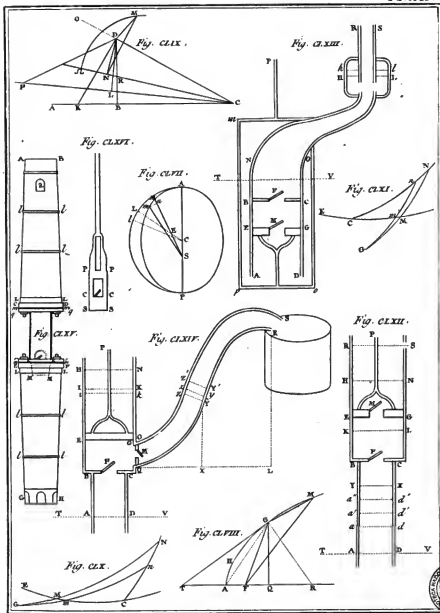
176





Marine.

Benard & Co. Paris



Marine.

Beard & Son.



QUARTIER DE REDUCTION.

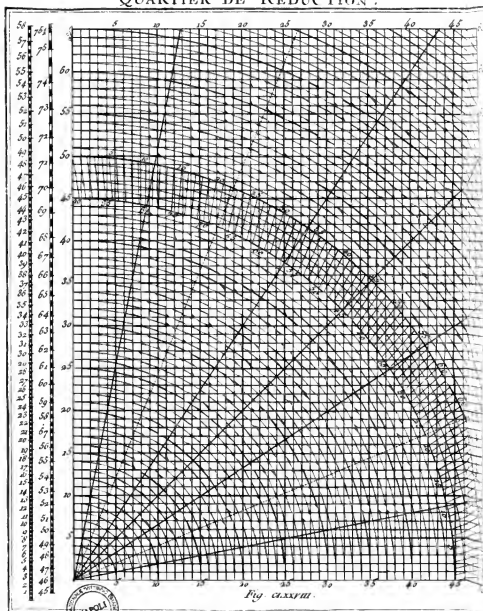


Fig. cxxxviii.

Marine.

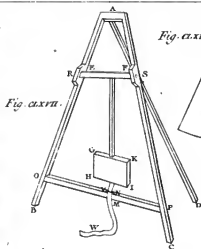


Fig. CLXIX.

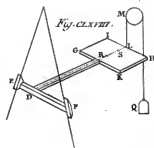
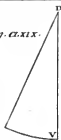


Fig. CLXXVIII.

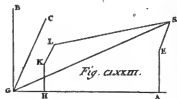


Fig. CLXXIII.

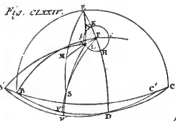


Fig. CLXXIV.

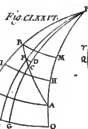


Fig. CLXXV.



Fig. CLXXII.

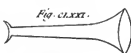


Fig. CLXXI.

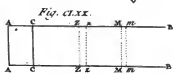


Fig. CLXX.

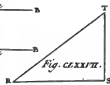


Fig. CLXXVII.

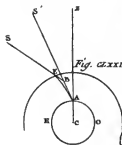


Fig. CLXXIX.

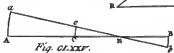


Fig. CLXXF.



Bonard Bonard

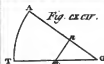


Fig. cxci.

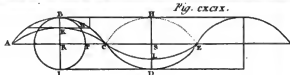


Fig. cxci.

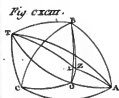


Fig. cxci.

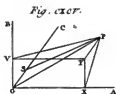


Fig. cxci.

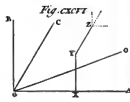


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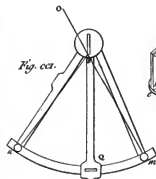


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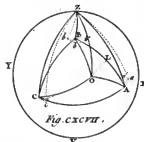


Fig. cxci.

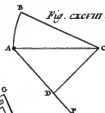


Fig. cxci.

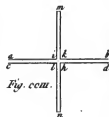


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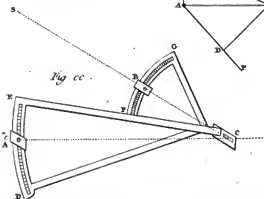


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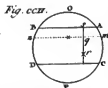
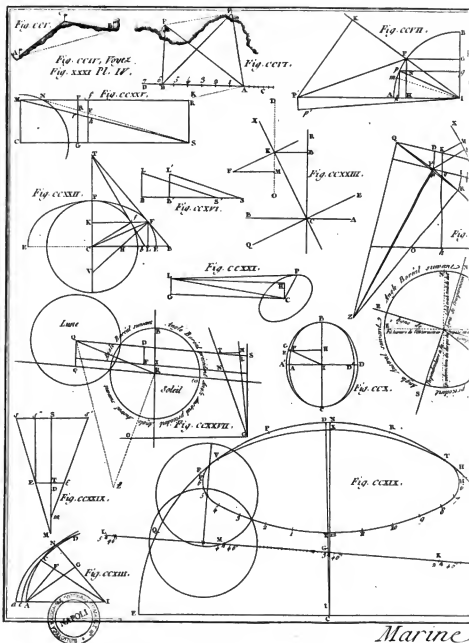


Fig. cxi.



Marine.

Board of Trade.



Marine

